

NOTICE OF AWARD

State Of Missouri Office Of Administration **Division Of Purchasing** PO Box 809 Jefferson City, MO 65102-0809

http://oa.mo.gov/purchasing

SOLICITATION NUMBER	CONTRACT TITLE
RFPS30034901801828	Laboratory Services for Drug Testing
CONTRACT NUMBER	CONTRACT PERIOD
CS181828001	April 1, 2018 through March 31, 2019
REQUISITION/REQUEST NUMBER	SAM II VENDOR NUMBER/MissouriBUYS SYSTEM ID
NR 931 YYY18708493	6804181670 2/MB00077279
CONTRACTOR NAME AND ADDRESS	STATE AGENCY'S NAME AND ADDRESS
Microgenics Corporation 46500 Kato Road Fremont CA 94538	Department of Corrections Toxicology Laboratory 689 Highway O Fulton MO 65251

ACCEPTED BY THE STATE OF MISSOURI AS FOLLOWS:

The proposal submitted by Microgenics Corporation in response to RFPS30034901801828 is accepted in its entirety.

BUYER	BUYER CONTACT INFORMATION
Stacia Dawson	Email: <u>Stacia.Dawson@oa.mo.gov</u> Phone: (573) 522- 3052 Fax: (573) 526-9816
SIGNATURE OF BUYER	DATE
DIRECTOR OF PURCHASING	3/26/18

MICROGENICS CORPORATION A Thermo Fisher Scientific Company Response to Request for Proposal

STATE OF MISSOURI
DEPARTMENT OF CORRECTIONS
TOXICOLOGY LABORATORY
689 Highway O
Fulton, MO 95251
Attn: Stacia Dawson

Original

Laboratory Services for Drug Testing RFP # RFPS30034901901828

Due Date: 3/12/2018 2:00 P.M.

Thermo Fisher SCIENTIFIC

STATE OF MISSIOURI Department of Corrections Toxicology Laboratory

Laboratory Services for Drug Testing RFP # RFPS30034901801828

DUE: 3/12/2018 2 PM Central Time

Microgenics Corporation
A Thermo Fisher Scientific Company
45600 Kato Road., Fremont, CA 94538 USA
Tel: 1-510-979-5000 • Fax: 1-510-979-5008
Customer/Technical Service 1-800-232-3342

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to enable our customers to make the world

healthier, cleaner and safer.

Thermo Fisher Scientific is the world leader in serving science, generating \$18 billion in annual revenue. Customers worldwide trust our tools and solutions to help them accelerate innovation and enhance productivity. Together, we're making advancements that make a real difference. We do that by providing an unmatched combination of innovative technologies, purchasing convenience and comprehensive support, through our five premier brands:

thermo scientific

- innovative analytical instruments, lab equipment and specialty diagnostics

applied biosystems

- gold-standard instruments and reagents for sequencing, flow cytometry, and real-time digital and end-point PCR

invitrogen

- among the most-cited instruments and reagents for genetic engineering, amplification, purification and analysis

fisher scientific

- convenient access to the most comprehensive offering of products and services for a range of industries

nity abservices

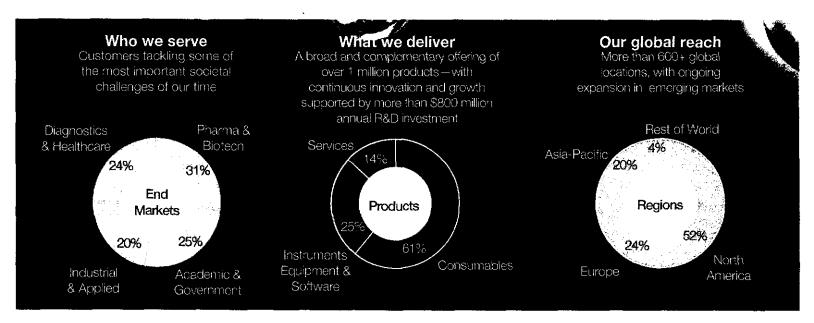
 single source for integrated services, support and asset management to maximize operational productivity \$18B revenue

EMPLOYEES

>\$800M/YR R&D SPEND

1,000,000 PRODUCTS SOLD

GLOBAL LOCATIONS









BS-480 Bar-Coded Reagents

Albumin

Alkaline Phosphatase

ALT SGPT Amylase

AST SGOT

autoHDL™ Cholesterol

Bilirubin, Direct Bilirubin, Total

BUN

Calcium *
Chloride*

Cholesterol

CK CK-MB Creatinine

Creatinine Enzymatic CRP hs wide range y-Glutamyl Transferse Glucose Homocysteine

HbA1c 2 part Iron, Total Lactate Lactate

Dehydrogenase auto LDL™ Cholesterol

Lipoprotein a(Lpa)

Magnesium

Potassium* Phosphorus Protein, Total Sodium*

TIBC-Direct Triglycerides Uric Acid Vitamin D**

Open Channel Applications

Acid Phosphatase Adiponectin(IT Method)

Alcohol Ammonia

B-Hydroxybutyrate Calcium CPC Calcium Arsenazo Carbon Dioxide Direct TIBC

Fibrinogen(IT Method)

Fructosamine

G6PD
Gamma GT
Glucose Hk
Glucose Oxidase
Glycohemoglobin
HDL Mg-Dex
HDL PEG
Hemoglobin
Iron UIBC/TIBC

Iron/TIBC
Iron/TIBC

LD

Lipase Colorimetric

Microprotein

Topirimate IT reagent

Open Channel DoA

Amphetamines Methamphetamines

Barbiturates
Benzodiazepines
Buprenorphrine
Cannabanoids

Cocaine Metabolite

Cotinine

Ecstasy (MDMA)

Ethanol Hyrdocodone Methadone

Methadone Metabolite (EDDP)

Methaqualone Opiates Oxycodone

Phencyclidine (PCP)

Propoxyphene

Tricyclics Antidepressants (TCA) Urine Creatinine

Specific Gravity pH

Oxidants

^{**}Available in application configuration



STATE OF MISSOURI OFFICE OF ADMINISTRATION DIVISION OF PURCHASING (PURCHASING) REQUEST FOR PROPOSAL (RFP)

SOLICITATION/OPPORTUNITY (OPP) NO.: RFPS30034901801828

TITLE: **Laboratory Services for Drug Testing**

ISSUE DATE: 2/21/18

REO NO.: NR 931 YYY18708493

BUYER: Stacia Dawson PHONE NO.: (573) 522-3052

E-MAIL: Stacia.Dawson@oa.mo.gov

RETURN PROPOSAL NO LATER THAN: 3/12/18 AT 2:00 PM CENTRAL TIME (END DATE)

VENDORS ARE **ENCOURAGED** TO RESPOND **ELECTRONICALLY** THROUGH HTTPS://MISSOURIBUYS.MO.GOV BUT MAY RESPOND BY HARD COPY (See Mailing Instructions Below)

MAILING INSTRUCTIONS:

Print or type Solicitation/OPP Number and End Date on the lower left hand corner of the envelope or package. Delivered sealed proposals must be in the Purchasing office (301 W High Street, Room 630) by the return date and time.

(U.S. Mail)

RETURN PROPOSAL TO: PURCHASING

or

(Courier Service)

PO BOX 809

PURCHASING

301 WEST HIGH STREET, RM 630 **JEFFERSON CITY MO 65101-1517**

JEFFERSON CITY MO 65102-0809

CONTRACT PERIOD: Effective Date of Contract through One (1) Year

DELIVER SUPPLIES/SERVICES FOB (Free On Board) DESTINATION TO THE FOLLOWING ADDRESS:

Department of Corrections Toxicology Laboratory 689 Highway O Fulton, MO 65251

The vendor hereby declares understanding, agreement and certification of compliance to provide the items and/or services, at the prices quoted, in accordance with all requirements and specifications contained herein and the Terms and Conditions Request for Proposal (Revised 10/19/15). The vendor further agrees that the language of this RFP shall govern in the event of a conflict with his/her proposal. The vendor further agrees that upon receipt of an authorized purchase order from the Division of Purchasing or when a Notice of Award is signed and issued by an authorized official of the State of Missouri, a binding contract shall exist between the vendor and the State of Missouri. The vendor shall understand and agree that in order for their proposal to be considered for evaluation, they must be registered in MissouriBUYS. If not registered at time of proposal opening, the vendor must register in MissouriBUYS upon request by the state immediately after proposal opening.

SIGNATURE REQUIRED

VENDOR NAME	MissouriBUYS SYSTEM ID (SEE VENDOR PROFILE - MAIN INFORMATION SCREEN)
Microgenics Corporation	6804181670 2/MB00077279
MAILING ADDRESS	
46500 Kato Road	
CITY, STATE, ZIP CODE	· · · · · · · · · · · · · · · · · · ·
Fremont, CA, 94538	
CONTACT PERSON	EMAIL ADDRESS
Stephanie Romanek	USFMTMGC-ContractsAdmin@thermo.com
PHONE NUMBER	FAX NUMBER
502-529-9431	510-979-5008
VENDOR TAX FILING TYPE WITH IRS (CHECK ONE)	
	Partnership Sole ProprietorIRS Tax-Exempt
AUTHORIZED SIGNATURE	DATE
The Kon	march 8, 2018
PRINTED AME	TITLE
John Kody	VP/General Manager

Instructions for Submitting a Solicitation Response

The Division of Purchasing is now posting all of its bid solicitation documents on the new MissouriBUYS Bid Board (https://www.missouribuys.mo.gov). MissouriBUYS is the State of Missouri's web-based statewide eProcurement system which is powered by WebProcure, through our partner, Perfect Commerce.

For all bid solicitations, vendors now have the option of submitting their solicitation response either as an electronic response or as a hard copy response. As a means to save vendors the expense of submitting a hard copy response and to provide vendors both the ease and the timeliness of responding from a computer, vendors are encouraged to submit an electronic response. Both methods of submission are explained briefly below and in more detail in the step-by-step instructions provided at https://missouribuys.mo.gov/pdfs/how_to_respond_to_a_solicitation.pdf. (This document is also on the Bid Board referenced above.)

Notice: The vendor is solely responsible for ensuring timely submission of their solicitation response, whether submitting an online response or a hard copy response. Failure to allow adequate time prior to the solicitation end date to complete and submit a response to a solicitation, particularly in the event technical support assistance is required, places the vendor and their response at risk of not being accepted on time.

• **ELECTRONIC RESPONSES:** To respond electronically to a solicitation, the vendor must first register with MissouriBUYS by going to the MissouriBUYS Home Page (https://missouribuys.mo.gov), clicking the "Register" button at the top of the page, and completing the Vendor Registration. Once registered the vendor should log back into MissouriBUYS and edit their profile by selecting the organizational contact(s) that should receive an automated confirmation of the vendor's electronic bid responses successfully submitted to the state.

To respond electronically to a solicitation, the vendor must login to MissouriBUYS, locate the desired solicitation on the Bid Board, and, at a minimum, the vendor must read and accept the Original Solicitation Documents and complete pricing and any other identified requirements. In addition, the vendor should download and save all of the Original Solicitation Documents on their computer so that they can prepare their response to these documents. Vendors should upload their completed response to these downloaded documents (including exhibits, forms, and other information concerning the solicitation) as an attachment to the electronic solicitation response. Step-by-step instructions for how a registered vendor responds to a solicitation electronically are available on the MissouriBUYS system at: https://missouribuys.mo.gov/pdfs/how to respond to a solicitation.pdf.

- O Vendors are encouraged to submit their entire proposal electronically; however in lieu of attaching exhibits, forms, pricing, etc. to the electronic solicitation response, a vendor may submit the exhibits, forms, pricing, etc. through mail or courier service. However, any such submission must be received prior to the solicitation's specified end date and time. Be sure to include the solicitation/opportunity (OPP) number, company name, and a contact name on any hard copy solicitation response documents submitted through mail or courier service.
- o In the event a registered vendor electronically submits a solicitation response and also mails hard copy documents that are not identical, the vendor should explain which response is valid for the state's consideration. In the absence of such explanation, the state reserves the right to evaluate and award the response which serves its best interest.

Addendum Document: If an addendum document is subsequently issued, please follow these steps to accept the addendum document(s).

1. If you have not accepted the original solicitation document go to the **Overview** page, find the section titled, **Original Solicitation Documents**, review the solicitation document(s) then click on the box under **Select**, and then click on the **Accept** button.

 To accept the addendum document, on the Overview page find the section titled Addendum Document, review the addendum document(s) then click on the box under Select, and then click on the Accept button.

Note: If you submitted an electronic response prior to the addendum date and time, you should review your solicitation response to ensure that it is still valid by taking into consideration the revisions addressed in the addendum document. If a revision is needed to your solicitation response and/or to indicate your acceptance of the addendum document, you will need to retract your response and re-submit your response by following these steps:

- 1. Log into MissouriBUYS.
- 2. Select the Solicitations tab.
- 3. Select View Current Solicitations.
- 4. Select My List.
- 5. Select the correct Opportunity Number (Opportunity No); the Overview page will display.
- 6. Click on Review Response from the navigation bar.
- 7. Click on **Retract** if your response needs to be revised.
- 8. A message will come up asking, "Are you sure you want to retract the Bid". Click on **Continue** to confirm.
- 9. Click on Respond and revise as applicable.
- 10. Click on **Review Response** from the navigation bar and then click on **Submit** to submit your response.
- HARD COPY RESPONSES: Be sure to include the solicitation/opportunity (OPP) number, company
 name, and a contact name on any hard copy solicitation response documents.

End of Instructions for Submitting Solicitation Response

1. INTRODUCTION AND GENERAL INFORMATION

1.1 Introduction:

1.1.1 This document constitutes a request for competitive, sealed proposals for the provision of laboratory services as set forth herein.

- 1.1.2 This RFP is a rebid of RFPS30034901800405.
- 1.1.3 Organization This document, referred to as a Request for Proposal (RFP), is divided into the following parts:
 - 1) Introduction and General Information
 - 2) Contractual Requirements
 - 3) Proposal Submission Information
 - 4) Pricing Page
 - 5) Exhibits A I
 - 6) Terms and Conditions
 - 7) Attachments 1-2 -The vendor is advised that attachments exists to this document which provide additional information and instruction. The attachments are separate links that must be downloaded from the MissouriBUYS Statewide eProcurement System at: https://missouribuys.mo.gov/bidboard.html. It shall be the sole responsibility of the vendor to obtain the attachments. The vendor shall not be relieved of any responsibility for performance under the contract due to the failure of the vendor to obtain a copy of the attachments.

1.2 Background Information:

- 1.2.1 The Department of Corrections Toxicology Laboratory, located in Fulton, Missouri, is responsible for processing specimen analysis for inmates housed within the Department of Corrections' facilities, Probation & Parole offenders, and individuals employed by the Department of Corrections.
- 1.2.2 During fiscal year 2016, the Department of Corrections Toxicology Laboratory tested approximately 1,003,191 specimens.
- 1.2.3 The Department of Corrections Toxicology Laboratory currently uses two (2) Advia drug screening machines supplied by the current contractor to process the drug screenings. The vendor for the water system for the Advia instruments is Evoqua Water system.
- 1.2.4 Drug test kits purchased under the current contract during fiscal year 2016 are as follows:

Type of Test	Number of 500 mL Kits
THC	13
Cocaine	13
Amphetamines	13
Opiate	13
Benzodiazepine	6
Barbiturate	7
PCP	6
Creatinine	14
Oxidants	12
pH	11
EtG	9

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1.2.5 Drug tests performed under the current contract during fiscal year 2016 are as follows:

Drug	Number of Tests
THC 20 or 25 ng/ml	0
THC 50 ng/ml	121,199
Cocaine 300 ng/ml	121,144
PCP 25 ng/ml	81,239
Opiate 300 ng/ml	0
Opiate 2,000 ng/ml	125,909
Benzodiazepines 200 ng/ml	75,162
Benzodiazepines 300 ng/ml	0
Amphetamines 500 ng/ml	0
Amphetamines 1,000 ng/ml	121,147
Barbiturates 200 ng/ml	75,161
Barbiturates 300 ng/ml	0
EtG 1,000 ng/ml	74,455
Oxycodone 100 ng/ml	0
Oxycodone 300 ng/ml	0

Adulterants	Number of Tests
Creatinine	122,767
Specific Gravity	0
Oxidants	121,227
рН	6,223

- 1.2.6 The Department of Corrections Toxicology Laboratory's current computer system operates using Windows 7 and includes:
 - a. Six (6) workstations with twenty-four inch (24") monitors;
 - b. Four (4) network color printers;
 - c. Six (6) barcode printers;
 - d. One (1) server with a twenty-four inch (24") monitor and keyboard;
 - e. QuickLIMS data acquisition system;
 - f. Unlimited access for individuals needing information from the system;
 - g. State of Missouri network connection;
 - h. Web-based software located on the server; and
 - i. Report generating software.
- 1.2.7 The current contract for the laboratory services is expiring. The contract number is: C312084001.
 - a. Viewing the Contract A copy of the contract can be viewed and printed from the Division of Purchasing's Awarded Bid & Contract Document Search System located on the internet at: http://oa.mo.gov/purchasing. In addition, all proposal and evaluation documentation leading to the award of that contract may also be viewed and printed from the Division of Purchasing's Awarded Bid & Contract Document Search System. Please reference the Bid number B3Z12084 or the contract number shown above when searching for these documents.
 - b. State Expenditures The Missouri Accountability Portal (MAP) located on the internet at: http://mapyourtaxes.mo.gov/MAP/Expenditures/ provides financial data related to the purchase of the services under the contract. Be sure to read the information provided in the links to "Site Information" and "Disclaimer". Then search by the contract number shown above when searching for the financial information.

1.2.8 Although an attempt has been made to provide accurate and up-to-date information, the State of Missouri does not warrant or represent that the background information provided herein reflects all relationships or existing conditions related to this Request for Proposal.

1.2.9 Availability of Tour – Potential vendors interested in touring the Department of Corrections Toxicology Laboratory prior to the submission of the proposal should contact Robin Howard at 573-592-4013 x 272 or via email at Robin.Howard@doc.mo.gov to schedule a tour. All questions regarding the Request for Proposal and/or the competitive procurement process must be directed to Stacia Dawson of the Division of Purchasing at (573) 522-3052 or stacia.dawson@oa.mo.gov.

2. CONTRACTUAL REQUIREMENTS

2.1 General Requirements:

2.1.1 The contractor shall provide laboratory services and equipment for the Department of Corrections (hereinafter referred to as "state agency"), to enable the testing for the presence of drugs and the drug's metabolites in the specimens of state agency employees, and inmates housed within the Department of Corrections' facilities from various institutions, and Probation & Parole offenders (hereinafter collectively referred to as "donor") in accordance with the provisions and requirements stated herein.

Microgenics Corporation Response to 2,1.1

Microgenics Corporation will provide products and equipment for the Department of Corrections to enable the testing for the presence of drugs.

2.1.2 The contractor shall provide the equipment and perform the services of Installation, Maintenance and Repair at the Missouri Department of Corrections Toxicology Laboratory (hereinafter referred to as "laboratory"), 689 Highway O, Fulton, Missouri.

Microgenics Corporation Response to 2.1.2

Microgenics Corporation meets this requirement.

2.1.3 The contractor shall provide the equipment and perform all services to the sole satisfaction of the state agency.

Microgenics Corporation Response to 2.1.3

Microgenics Corporation meets this requirement.

2.1.4 Unless otherwise specified herein, the contractor shall furnish all material, labor, facilities, equipment, and supplies necessary to perform the services required herein. Additionally, the contractor shall be responsible for all costs associated with shipping/freight for all material, equipment, and supplies necessary to perform the services required herein.

Microgenics Corporation Response to 2.1.4

Microgenics Corporation meets this requirement.

2.2 Equipment and Software Requirements:

2.2.1 Biochemical Analyzers – By no later than ten (10) calendar days after the state agency authorizes the contractor to proceed with services, the contractor shall provide and install two (2) biochemical analyzers in the laboratory in accordance with the following:

Microgenics Corporation Response to 2.2.1

Microgenics Corporation meets these requirements from (a) thru (d) below

- a. The contractor's biochemical analyzers must be new or factory refurbished to like new condition. If the contractor utilizes a factory refurbished biochemical analyzer, the contractor shall provide the state agency with a history of the biochemical analyzer from the time the biochemical analyzer was put into service to the time the biochemical analyzer was removed from service prior to usage under the contract. All biochemical analyzers provided by the contractor must have a service agreement to cover all repairs, parts, and maintenance at no additional charge to the state agency.
 - 1) For factory refurbished biochemical analyzer, the contractor must utilize an ISO certified vendor.

Microgenics Corporation Response to 2.2.1

ABS is an ISO certified vendor. (See attached certification)

- b. The biochemical analyzers shall meet or exceed the standards listed below. In the event the state agency's standards change, the Division of Purchasing will amend the contract to revise the following standards.
 - 1) Random or stat access, specimens or test selective analysis with bar code reader capability.
 - 2) Analysis rate of a minimum of one thousand six hundred (1,600) photometric tests per hour by each biochemical analyzer. Both biochemical analyzers must be able to fit into a nineteen foot (19') by six foot (6') space.

- 3) Rack handlers must be automated.
- 4) Testing capabilities for the following drugs and/or the drug's metabolites at the specified detection levels:

Drug	Detection Level
THC	20 or 25 ng/ml and 50 ng/ml
Cocaine	300 ng/ml
PCP	25 ng/ml
Opiate	300 ng/ml and 2,000 ng/ml
Benzodiazepines	200 ng/ml and 300 ng/ml
Amphetamines/Class of Drug	500 ng/ml and 1,000 ng/ml
Barbiturates	200 ng/ml and 300 ng/ml
EtG	1,000 ng/ml
Oxycodone	100 ng/ml and 300 ng/ml

- 5) Testing capabilities for the following validity tests:
 - Creatinine
 - Specific Gravity
 - Oxidants
 - pH
- 6) Daily maintenance completion time of less than thirty (30) minutes.
- 7) User selective calibration intervals with calibration required not more than once daily.
- 8) A built-in daily and cumulative quality control system. Must be able to monitor the tests run daily for each reagent. This shall include a sum of each reagent used daily.
- 9) No additional special air, heating, and/or cooling requirements. The contractor must provide a new water filtration system for the biochemical analyzers, which must be installed by the contractor. The new water filtration system must be able to fit into a space sixty-eight inches (68") in length by thirty inches (30") in depth by thirty-four inches (34") in height.
- 10) Printout capability to provide a listing of the specimen identification, test type, and results in raw data form and reporting form.
- 11) Must not cross-react the THC reagent and cocaine reagent with any over-the-counter medications or prescription medication except for Dronabinol/Marinol.
- 12) Provide any appropriate software and hardware updates to the biochemical analyzers that may arise or occur during the life of the contract.
- 13) In the event any damage occurs in the state agency's laboratory during the removal of and/or installation of equipment, the contractor shall be responsible for repair or replacement of any and all damage.
- 14) The ability to add additional drugs to the list of drugs tested, including reagents.
- 15) All software and technical assistance shall be provided to the state agency at no cost.
- c. Upon installation of the contractor's biochemical analyzers, the contractor shall provide initial training at the state agency laboratory for all state agency personnel using the biochemical analyzers. Additionally, upon request by the state agency, the contractor shall provide training of the

biochemical analyzer on an annual basis to a minimum of four (4) state agency personnel in the operations, routine calibration, and operator maintenance of the biochemical analyzers. The contractor may provide the annual training at the state agency laboratory.

- d. The contractor shall provide routine inspections, preventative maintenance, and repairs for the biochemical analyzers and the water filtration system in accordance with industry standards by authorized service representatives.
- 2.2.2 External Data Acquisition System By no later than seven (7) calendar days after the state agency authorizes the contractor to proceed with services, the contractor shall provide and install an external data acquisition system. The external data acquisition system must be working within one week of the biochemical analyzers installation.

Microgenics Corporation Response to 2.2.2

Microgenics Corporation meets these requirements and will comply from (a) thru (d)

- a. The contractor's external data acquisition system shall include six (6) workstations with at least twenty-four inch (24") monitors, six (6) barcode printers, four (4) network color printers, and appropriate software for the state agency's use in the issuance of tests to be performed, reporting of data to the state agency, and monthly reporting of data to the state agency.
- b. The contractor's external data acquisition system shall be web-based and have unlimited accessibility by designated state agency personnel.
 - 1) The contractor's external data acquisition system must have three (3) databases in which to separately store offender data, state agency employee data, and history.
 - 2) The contractor's external data acquisition system must be adaptable to include any additional report formats that may be needed and/or change existing report formats to include any updates and/or additional testing at no cost to the state agency.
- The contractor must provide reports similar to those currently utilized by the state agency laboratory. Attachment 1 contains samples of the current reports. Additionally, the contractor must be able to provide the state agency with special reports when needed. The reports shall include, but not be limited to, the following:
 - 1) Accession number
 - 2) Donor number
 - 3) Donor last name
 - 4) Donor first name
 - 5) Control number
 - 6) Test date
 - 7) State agency facility
 - 8) Date collected
 - 9) Requesting party
 - 10) Drug test performed
 - 11) Results and reference range
 - 12) Comments area for each drug tested
 - 13) Comment section
- d. The contractor must provide a daily schedule delimited text file stored on a designated directory path and in a format consumable by the state agency as listed below:
 - 1) The first record must identify the field names of the columns that will be within the file.
 - 2) The field names required for the interface must include the following:
 - Accession
 - Control Number
 - Agency Code

- Sub Agency code
- Requesting Party code
- Collection Date
- Donor ID
- Donor Last Name
- Donor First Name
- Order Type
- Test Code
- Result for assay
- Units
- Flag
- Test Date
- Test Time
- Test comment
- 3) The following example shows the format of the first 4 fields of the file.
 - Accession, Control Number, Agency code, Sub Agency code
 - 780255,1103,SOUTHWEST REGION,33
 - 780255,1103,SOUTHWEST REGION,33
 - 780255,1103,SOUTHWEST REGION,33
- 2.3 External Data Acquisition System Hosting Requirements: The contractor shall provide the external data acquisition system using either a contractor-hosted platform or a state-hosted solution.
- 2.3.1 Contractor-Hosted External Data Acquisition System Solution Requirements If the contractor provides the external data acquisition system using a contractor-hosted solution where the system and data are located at the contractor's hosting center/data center, the contractor shall supply the contractor-hosted solution and connections to the state agency with the users, such as the Toxicology Lab, state agency employee health and safety, and the chief of drug testing services, and software rights identified herein.

Microgenics Corporation Response to 2.3.1

Microgenics Corporation meets these requirements and will comply from (a) thru (z) and (aa)

- a. The contractor's hosting center/data center must be located in one of the contiguous 48 United States. The contractor shall not allow the contractor's personnel or subcontractors to store state data on portable devices, including personal computers, except for devices that are used and kept only at the contractor's hosting center/data centers. The contractor shall permit contractor personnel and subcontractors to access state data remotely only as required to provide technical support.
- b. The contractor-hosted solution must provide Disaster Recovery (DR) capability that ensures the following:
 - 1) Return to operation within twenty-four (24) hours with the data recovery point at no more than one (1) business day.
 - 2) The recovery must occur through a facility and application that maintains the segregation of state processes and data storage of state agency employee data, from offender data.
- c. The contractor must create and maintain a DR/Failover test plan and conduct a Failover Test annually, and provide the state agency with the results from the test.
- d. The contractor-hosted solution must include real-time performance monitoring and the contractor must perform load balancing, performance tuning, and configuration adjustments to optimize existing hardware/environment.
- e. The contractor must implement performance improvements to the contractor-hosted solution, such as regularly-scheduled hardware upgrades during identified maintenance windows.

1) The contractor should provide notification to the state agency of performance improvement measures to the contractor-hosted solution.

- f. The states data must be logically segregated from the contractor's other customers' data. Other customers' data may reside in the same hosting center/data center if appropriately segregated from the states data.
 - 1) The states data should be physically segregated from the contractor's other customers' data at the server level. The contractor may service the states data within the same hosting center/data center.
- g. The contractor's hosting facilities and hardware must be protected from unauthorized access.
- h. The contractor must implement commercially reasonable security safeguards to prevent unauthorized access to and protect the integrity of the contractor-hosted solution interfaces, application software, systems files, and state data within the contractor's hosting center/data center services environment, disaster recovery locations, and any off-site archiving location(s).
- i. The contractor must provide hardware and software security through network layer controls, platform controls, and application controls.
- j. The contractor must provide advanced security technologies such as managed firewalls, encryption, authentication, intrusion detection, site scanning, and the performance of security audits/penetration tests.
- k. The contractor must monitor, review, respond to, and report access violations and log security alerts and notification activity.
- 1. The contractor must provide server-side anti-virus and anti-spam protection that is updated as necessary to remain current.
- m. The contractor must provide the state agency with a list of contractor personnel and subcontractors with system-level and/or group-level authorities to the system application components and/or data. The contractor must annually review and update the list. Personnel and subcontractors no longer needing this access level must have access removed within the same business day.
- n. The contractor's personnel and subcontractors with access to sensitive data and/or operations must successfully complete a criminal background check prior to being given access.
- o. The contractor shall inform the state agency of any security incident or data breach within the possession and control of the contractor and related to service provided under the contract.
 - The contractor may need to communicate with outside parties regarding a security incident, which may include contacting law enforcement, fielding media inquiries, and seeking external expertise as mutually agreed upon, defined by law, or contained in the contract. Discussing security incidents with the state agency should be handled on an urgent as-needed basis, as part of contractor communication and mitigation processes, as mutually agreed upon, defined by law, or contained in the contract.
 - 2) Unless otherwise stipulated, the contractor shall immediately report a security incident related to the contractor's service under the contract to the appropriate state agency chief information security officer (CISO).

3) If the contractor has actual knowledge of a confirmed data breach that affects the security of any state content, that is subject to applicable data breach notification law, the contractor shall (1) promptly notify the appropriate state agency identified contact within 24 hours or sooner, unless shorter time is required by applicable law, and (2) take commercially reasonable measures to address the data breach in a timely manner.

- p. If a data breach occurs with respect to personal data within the possession or control of the contractor and related to the service provided under the contract:
 - 1) Unless otherwise stipulated, the contractor shall immediately notify the appropriate state agency identified contact person by telephone, in accordance with the agreed upon security plan or security procedures, if the contractor reasonably believes there has been a security incident.
 - 2) Unless otherwise stipulated, the contractor shall promptly notify the appropriate state agency identified contact person within twenty-four (24) hours or sooner by telephone, unless a shorter time is required by applicable law, if the contractor confirms that there is or reasonably believes that there has been a data breach. The contractor shall:
 - Cooperate with the state agency as reasonably requested by the state agency, to investigate and resolve the data breach;
 - Promptly implement necessary remedial measures, if necessary; and
 - Document responsive actions taken related to the data breach, including any postincident review of events and actions taken to make changes in business practices in providing the services, if necessary.
- q. Unless otherwise stipulated, if a data breach is a direct result of the contractor's breach of contract obligation to encrypt personal data or otherwise prevent its release, the contractor shall bear the costs associated with the following, subject to this contract's limitation of liability:
 - 1) The investigation and resolution of the data breach;
 - 2) Notifications to individuals, regulators, or others required by state law;
 - 3) A credit monitoring service as required by state or federal law;
 - 4) A website or a toll-free number and call center for affected individuals, as required by state law; all not to exceed the average per record, per person cost calculated for data breaches in the United States (currently \$201 per record/person) as reported in the most recent Cost of Data Breach Study: Global Analysis conducted by the Ponemon Institute at the time of the data breach; and
 - 5) Complete all corrective actions as reasonably determined by the contractor based on root cause.
- r. The contractor shall allow the state agency to audit the contractor's conformance to the contract terms. The state agency may perform this audit, or contract with a third party at the state agency discretion and expense.
- s. The contractor shall perform an independent audit of the contractor's hosting center/data centers at least annually and at the contractor's expense, and provide a redacted version of the audit report to the state agency upon request. The contractor may remove its proprietary information from the

redacted version. For example, a Service Organization Control (SOC) 2 audit report would be sufficient.

- t. The state agency shall own all right, title, and interest in its data that is related to the services provided by the contract. The contractor shall not access state user accounts or state data, except:
 - 1) In the course of hosting center/data center operations;
 - 2) In response to service or technical issues;
 - 3) As required by the express terms of the contract, or
 - 4) At the state agency's written request. The contractor shall return all data that is related to the services provided under the contract to the state agency within five (5) business days after request by the state agency.
- u. The contractor shall be responsible for the acquisition and operation of all hardware, software, and network support related to the services being provided. The contractor shall be responsible for all technical and professional activities required for establishing, managing, and maintaining the contractor-hosted solution. The contractor-hosted solution shall be available 24/7/365 (with agreed-upon maintenance downtime), and provide service to the state agency as defined in the Service Level Agreement.
- v. The contractor shall give advance notice (to be determined following contract award and included in the SLA) to the state agency of any upgrades (e.g., major upgrades, minor upgrades, system changes) that may impact service availability and performance. A major upgrade is a replacement of hardware, software, or firmware with a newer or better version, in order to bring the contractor-hosted solution up to date or to improve its characteristics. It usually includes a new version number.
- w. The contractor-hosted solution must meet the Statement on Standards for Attestation Engagements (SSAE) 16 (or successor) security standard.
- x. The contractor shall contact the state agency upon receipt of any electronic discovery, litigation holds, discovery searches, and expert testimonies related to the states data under the contract, or which in any way might reasonably require access to the state data. The contractor shall not respond to subpoenas, service of process, and other legal requests related to the state agency without first notifying the state agency, unless prohibited by law from providing such notice.
- y. The contractor shall enforce separation of job duties, require commercially-reasonable nondisclosure agreements, and limit contractor personnel and subcontractor's knowledge of state data to that which is absolutely necessary to perform job duties.
- z. The contractor shall identify all of the contractor's strategic business partners related to services provided under the contract, including but not limited to all subcontractors or other entities or individuals who may be a party to a joint venture or similar agreement with the contractor, and who will be involved in any application development and/or operations.
- aa. The state agency shall have the right at any time to require that the contractor remove from interaction with the state agency any contractor representative who the state believes is detrimental to the state agency's working relationship with the contractor. The state agency shall provide the contractor with notice of the stat agency's determination and the reasons the state agency requests the removal of such individual. If the state agency signifies that a potential security violation exists with respect to the request, the contractor shall immediately remove such individual. The contractor shall not assign the person to any aspect of the contract or future work without the state agency's consent.

2.3.2 General Software as a Solution (SaaS) Requirements:

Microgenics Corporation Response to 2.3.2

Microgenics Corporation meets these requirements and will comply from (a) thru (e)

a. License Grant for Software-as-a-Service (SaaS) System: The contractor shall grant the State of Missouri the right to an unlimited non-exclusive, non-transferable, irrevocable, and unrestricted enterprise-wide license(s) to use the software and service for the state's internal business use including the current version of the software and updates during the term of the subscription on behalf of the state agency's end users, political subdivisions, vendor users, consultants, agents, whether now existing or hereafter. The state shall further have the right to appoint third-party agents to utilize the contractor's system on the state's behalf as long as such third parties comport with the provisions of the licensing stated herein. The contractor shall be responsible for the maintenance for the service platform including hardware maintenance, patches, software upgrades, and bug fixes. This maintenance shall be supplied for the term of the subscription at no additional cost. The state shall have the right to receive the automated solution without limitations as long as the subscription current. The SaaS license must not be a named license.

- b. All rights, title, and interest in the contractor's software and any updates, upgrades, or modifications shall remain the property of the contractor.
- c. The state shall have the option to approve upgrades and maintenance to the service platform to minimize downtime and interruptions to the service. Major upgrades such as a version release shall require coordination with the state.
- d. All data stored on the service platform shall remain the property of the state. At the termination, expiration, or cancellation of the contract for any reason, all data shall be transferred back to the state in a usable and mutually agreed format by the state agency.
- e. All maintenance and technical support required in order to receive system updates (which include enhancements, corrections, modifications, system configuration, database maintenance, additions, and later versions of the licensed product) and fixes to technical support problems/website errors shall be at no cost to the state agency.
- 2.3.3 State-Hosted External Data Acquisition System Platform Requirements If the contractor provides the external data acquisition system using a state-hosted solution where the state hosts the system and data and the server is located at a state agency facility, the contractor shall comply with the following:

Microgenics Corporation Response to 2.3.2

Microgenics Corporation meets these requirements and will comply from (a) thru (rr)

- a. The state-hosted solution must incorporate the state's processes and procedures for database encryption. The state-hosted solution must incorporate the state's standard database encryption software which is IBM's InfoSphere Guardium suite.
- b. The state-hosted solution must not include any software or tools which are in beta testing. All software and tools utilized or provided to the state agency shall be in final production and be available for sale and distribution to the state agency.
- c. The state-hosted solution must work with the state's existing configurations and cannot require a restructure of objects or a configuration to accommodate the needs of the state-hosted solution. Review of all state-hosted solution requirements must be provided and are subject to approval of the state. Changes in the state-hosted solution requirements are dependent upon approval by the Missouri Information Technology Services Division (ITSD) Client Services Manager, in conjunction with other ITSD senior management.
- d. All software products required for the state-hosted solution must conform to state agency version standards of N (most current version) and N-1, where reasonable and practical.

e. Data transmissions between different system components (non-localized transaction processing) must take into account the underlying network infrastructure to ensure timely processing. System functions that require large data uploads from the contractor or the state agency, or large data transfers between system components, must be written so that lower network bandwidth or larger network latencies minimally impact processing.

- f. The contractor shall work closely with the ITSD to plan and design all technical environments required for the contract (including all production environments, and related network configuration).
- g. The contractor must conduct onsite performance testing and system tuning for the fully configured and tested software sufficiently in advance of the implementation date to allow reasonable tuning. These tasks must be coordinated and performed with state system programmers, database administrators, application development staff, and technical support staff. The state agency recognizes that performance testing and tuning activities may be necessary at several stages in the process. For example, tuning could take place after the software installation, prior to production migrations, and during initial production operations. Modifications to the application software may be necessary to meet the state's unique requirements. If modifications are made to the application software to meet the state's unique requirements, the contractor must review and make adjustments to ensure acceptable performance.
- h. The contractor should use current versions of all tools for all development. The state agency will provide all hardware and software licenses for application development in the proposed environment. Any hardware operating system software purchases, any underlying database software, any Microsoft software products, and any hardware shall be acquired through other existing state contracts or other contracting means as determined in the best interests to the State of Missouri. Unless otherwise indicated herein, all other required software to support and/or operate the state-hosted solution shall be the responsibility of the contractor for the licensing of all third-party software utilized as part or in conjunction with the Licensed Product Solution provided by the contractor.
- i. The state-hosted solution must be developed using an Integrated Development Environment to help developers design, develop, assemble, test, compile, and deploy Web services and service-oriented architecture (SOA) applications.
- j. The state-hosted solution must take advantage of design techniques and shall be based on an architecture that facilitates the efficient integration of mobile capabilities. The state-hosted solution must be built for optimal viewing and navigation across a wide range of devices, including traditional PCs, smart phones, and tablet devices for all external facing pages.
- k. The state-hosted solution must not use any third party controls, software, or freeware without prior approval by the State.
- If the state-hosted solution consumes or creates Office products, the Open XML Software
 Development Kit must be used to ensure that Office products do not need to be installed on the
 server.
- m. The state-hosted solution must leverage existing and planned departmental and enterprise systems by using out of-the-box connectors where possible to integrate software packages. The state-hosted solution must use built-in workflow functions within departmental and enterprise packages to manage administrative functions that will be needed to configure and maintain these packages. Web services shall be used to integrate software packages where real time interfaces are needed.
- n. The state-hosted solution shall be designed in a way that hides the complexity of communications with backend systems. This should limit the amount of change required as backend systems and data feeds are changed.

o. The contractor should provide development, test, and production environments. In meeting this requirement, the contractor may use current ITSD development, test, and production environments which were developed for other applications and would require modification to be used in the state-hosted solution. However, if current ITSD environments are utilized, ITSD shall review any suggested improvements, changes, or additions to the environments.

- p. ITSD will work closely with the contractor and must be in agreement with any proposed environment changes before the changes are implemented. ITSD will work with the contractor to perform any necessary deployments to the various environments.
- q. Reporting requirements must be handled through Microsoft SQL Server Reporting Services (SSRS).

 Net and JAVA applications can use this tool to integrate reporting into applications.
- r. File Transfer Processes (FTP) must be handled through a secure process. The state SFTP platform is handled through MoveItCentral and MoveItDMZ.
- s. Testing software should be utilized. The testing software must include at a minimum: unit test, integration test, system test, automated regression test, load test, and user acceptance test. System test, automated regression test, load test, and user acceptance test must be performed in an environment that is an approved, production-simulated environment installed by ITSD.
 - 1) The contractor must repeat testing of any test category until the state agency approves the user acceptance test results.
- t. All custom-developed code must include detailed in-line comments to enhance maintainability.
- u. When setting up the new database, the contractor must adhere to published standards established by the ITSD database group, which includes naming standards for database objects including, but not limited to, entity names, indexes, and attribute names.
- v. The contractor must coordinate through ITSD's database group for the following services:
 - Granting proper authorities to contractor personnel and subcontractors so they can work with the database objects. ITSD will be responsible for all data definition language (DDL) on the development database.
 - 2) Physically creating the databases on the development server including identifying the location of database objects as well as active and archived logs, etc.
 - 3) Setting up backup and restore procedures.
 - 4) Any other database administrative functions.
- w. The contractor should use a data modeling tool to design, define, and maintain the system database. The contractor must use the data modeling tool to load all database modeling information to keep the new database updated throughout the life of the contract.
- x. If it is the intention of the state agency to utilize a data mart conducive to making business decisions. The data mart shall facilitate decision support processes such as trend reports, exception reports, and reports that show actual performance versus goals. The contractor must design the data mart, identify needed reports, and determine how to implement the data mart to best suit the state agency's requirements.
 - 1) An Extract, Transform, and Load (ETL) tool shall be used for loading the Datamart, etc.

y. The Application Server platform must follow one of the State of Missouri preferred environments. These environments will differ depending on programming requirements as indicated below.

- Net developed applications must utilize Microsoft Internet Information Server running on a Windows 2012 R2 server environment.
- JAVA developed applications must utilize IBM WebSphere Application Server or JBOSS
 Application server running on either a Windows 2012 R2 Server Environment or Linux RedHat version environment.
- 3) Application Messaging between systems must utilize the Missouri state standard messaging platform which is IBM WebSphere MQ. This environment can be used with either .Net applications or JAVA applications.
- z. All applications must have the ability to be front ended by a CITRIX Netscaler system. This system shall be utilized for Load Balancing for internal and external applications.
- aa. Application batch processes must be scheduled through Cisco Tidal Scheduler.
- bb. The state Enterprise Monitoring team must monitor all devices which are hosted by the State of Missouri. Availability monitoring must be done using the Solarwinds products or Microsoft System Center product. For synthetic transaction monitoring, BMC TMART product shall be used. For performance and threshold monitoring, the Precise or BMC ProactiveNet software shall be used. For log and event management monitoring, Kiwi Syslog or Solarwinds Log & Event management product shall be used. The BMC Atrium product shall be used to discovery resources on each device. Each application will also require an application map that will be stored in the State CMDB and/or BMC CMDB. The Enterprise Monitoring team will determine the best product used for monitoring of application and device.
- cc. The state-hosted solution must operate as part of, and be integrated into, the existing environment that includes, but is not limited to, the ITSD operational environment as described herein:
 - 1) Switched 100Mb Ethernet and Gigabit Ethernet Intra-office Backbone
 - 2) MPLS-based and broadband/VPN wide-area networking infrastructure
 - 3) TCP/IP
 - 4) Windows workstations
 - 5) Intel-based servers
 - 6) Windows(preferred)
 - 7) Red Hat Linux
 - 8) VMWare based virtual server environment
 - 9) Active Directory
 - 10) Internet Explorer
 - 11) Cisco Routers, Switches, and Appliances
 - 12) Host-based IDS
 - 13) Server and workstations-based anti-virus, anti-malware, and end-point protection
- dd. The state-hosted solution must operate within the following mainframe provisions:
 - 1) The primary mainframe environment is housed in the ITSD State Data Center (SDC) and consists of a Parallel Sysplex made up of three z/OS Version 1 Release 13 LPARs and two coupling facilities. The hardware hosting the Parallel Sysplex environment consists of one IBM zEC12 Model 2827-H20 hosting the LPARs and one internal coupling facility and one IBM z114 Model 2818-M05 hosting a dedicated coupling facility. Each coupling facility is interconnected with redundant coupling links. Access to all peripherals is made through FICON connections. Access to the network is through OSA Express ports.

2) The alternate Disaster Recovery site is comprised of one IBM 2828-H13 with one internal coupling facility. Data is replicated to the Disaster Recovery site via a grid between the local VTS (7740-V06) and a remote VTS (7740-VEA).

- ee. The state-hosted solution must operate within the state's distributed environment.
 - 1) The State's virtual server distributed environment utilizes Intel-based, two socket blade servers running in blade chassis. The virtual server environment runs on VMWare's ESXi hypervisor technology over a 10 GB Ethernet backbone. Storage is provisioned to the distributed virtual server environment via a multi-tiered, enterprise level SAN over an 8 GB fiber-channel backbone.
 - 2) Mid-range systems operate on IBM's Power blades or Power systems servers and operate over a 10 GB Ethernet backbone and connect to the enterprise SAN environment over an 8 GB fiber-channel backbone.
- ff. The state-hosted solution must operate within the state's Active Directory environment.
 - The State's Active Directory environment is a multi-agency, multi-domain forest. Top-level forest, domain administration and Organization Unit (OU)-level administration is managed and maintained by the SDC.
 - 2) The state-hosted solution must not require a restructure of Active Directory objects to accommodate the needs of the state-hosted solution.
 - 3) The state-hosted solution must be capable of using the current version of Active Directory in the latest forest functional mode (N), and the two (2) previous versions (N-2), to provide single sign on or other functionalities.
 - 4) The state-hosted solution shall not require authorities, schema changes, Active Directory system changes, or permissions outside of the agencies top level OU, unless approval from the SDC Director has been obtained.
 - 5) The state-hosted solution must continue to work if a domain controller goes down by using another domain controller in the domain.
 - 6) The state-hosted solution must work with existing user IDs and user ID administration models.
 - The state-hosted solution shall not require any schema changes to Active Directory, without prior approval by the SDC Director.
 - 8) The state-hosted solution shall not store application specific data in the Active Directory user, group, or OU objects.
 - 9) The state-hosted solution must operate within the State's consolidated Microsoft Active Directory environments. New Active Directory environments will not be built.
 - 10) The state-hosted solution must authenticate and interface with Active Directory and any Active Directory trust, securing State of Missouri data and infrastructure.
 - 11) The state-hosted solution must be compatible with a multi-domain Active Directory forest model, along with any trusted domains.

12) The state-hosted solution must also be able to authenticate users from any of the domains simultaneously.

- 13) The servers hosting the state-hosted solution must function as part of an Active Directory domain, unless an exemption is granted by the SDC Director.
- 14) The State's consolidated ADFS server must be used for user authentication if off-site services are to be utilized. MoLogin is available for an application authentication system for public users. Public facing applications shall work within the current MoLogin framework.
- 15) If an application needs to store large amounts of non-State employee user objects, the use of the dedicated Active Directory forest shall be used and needs prior approval from SDC Director. If other methodologies of storing user objects for an application are needed, the SDC Director shall review and approve prior to use.
- 16) Changes to the Active Directory requirements are dependent upon approval by the SDC Director.
- gg. The state-hosted solution must operate with the state's email environment which shall include the following requirements:
 - 1) The State's email environment provides secure email services through a consolidated Exchange, Proofpoint email gateway, Biscom electronic fax environment, and Symantec Enterprise Vault email journaling and archiving systems.
 - 2) Systems requiring email transmission must relay email through the Proofpoint email relay gateway via SMTP. These systems must point to the Proofpoint DNS cluster name for email relay in order to prevent single points of failure.
 - 3) Any information deemed confidential or federally required shall be sent encrypted.
 - 4) Systems requiring interface or to work in conjunction with calendaring, email, and mobile access to email must be compatible with the current version of Microsoft Exchange (N) and the two previous versions (N-2).
 - 5) The system must not relay email directly through the Exchange email servers. POP and IMAP access are not permitted.
 - 6) The system shall not require Exchange system configuration modification.
 - 7) Systems requiring interface or to work in conjunction with email archives or email journaling must be compatible with the current version of Symantec Enterprise Vault (N) and the two previous versions (N-2).
 - 8) Systems requiring interface or to work in conjunction with the Enterprise Vault email journaling and archiving systems must adhere to the journaling and archiving configuration and policies, including the retention of all email sent and received to/from and within the Exchange organization, as well as the archiving of calendar and email items.
 - 9) The system must work with all existing configurations and cannot require a restructure of objects or configuration to accommodate the needs of the system. Any configuration changes, or restructure are dependent upon approval by the SDC Director.
- hh. The contractor's solution must work within the state's database environment.

1) The State's supported database management systems are (version N or N-1):

- Microsoft SQL Server (preferred)
- IBM DB2 LUW
- Oracle
- MySQL
- 2) The state-hosted solution must use one of the above supported database management systems. Any variations are dependent upon approval by the SDC Director.
- 3) The state-hosted solution must use a relational database management system providing referential integrity and two-phase commit.
- 4) Microsoft SQL Server must use Windows Authentication for the application ID, as Mixed-Mode Authentication is not supported.
- 5) All databases must be encrypted at rest and in motion. The state-hosted solution shall use the State supported encryption product(s).
- 6) All database backups must be encrypted.
- ii. The state-hosted solution must operate with the state's supported Web Services platforms.
 - 1) The State supported web application platforms are:
 - WebSphere
 - IIS
 - JBOSS
 - ColdFusion
 - Tomcat
 - 2) The version of the application platform software shall be N or N-1 for all environments.
 - 3) ITSD staff will manage website(s) and application(s) controlled on shared servers.
 - 4) Administrator access to these servers shall be limited to SDC staff. Access to local log files and Web access logs shall be available via logging server or other SDC supported tools.
 - 5) All websites shall be configured to go through a load balancer. If the site is not load balanced, the sites shall be directed to the Web server.
 - 6) All web sites will be evaluated to use the existing Share Web Hosting Farm.
 - 7) Enterprise Web Reporting Services are handled through Microsoft SQL Server Reporting Services (version N or N-1).
 - 8) The system shall use the Enterprise Application Message Queuing of IBM WebSphere MQ, if messaging is used.
 - 9) Other Enterprise Web Services include Secure File Transfer, Team Foundation Server, and Job Scheduling.
- jj. The state-hosted solution must operate with the state's Middleware Services.
 - 1) All software to be supported by SDC must be listed on the SDC Technology Stack or preapproved by the SDC Director.

2) The version of application and operating system platform software shall be N or N-1 for all environments.

- kk. The state-hosted solution must operate with the state's Electronic Content Management solutions.
 - 1) The State supported enterprise solutions for Imaging and Electronic Content Management systems are IBM Content Manager and Hyland OnBase solutions.
- Il. The state-hosted solution must operate with the state's Backup and Restore systems.
 - 1) The State supported distributed and mid-range systems backup and restore is Tivoli Storage Manager (TSM).
 - Dell vRanger software shall be used to provide virtual machine (image) backup and restore capabilities for the virtual server environment.
 - 3) The state-hosted solution shall use Tivoli Storage Manager (TSM) for distributed and midrange systems backup and restore capabilities. Dell vRanger software shall be used to provide virtual machine (image) backup and restore capabilities for the virtual server environment. TSM and vRanger leverage EMC Data Domain and EMC Isilon storage nodes for deduplication and, when necessary, replication to the Disaster Recovery site.

mm. The contractor must adhere to the following provisions:

- 1) The State manages all supported workstations to include security patches, antivirus software, configurations, images, and software installations.
- 2) The state-hosted solution shall have the ability to connect to Windows 7 64 bit or newer.
- 3) All State managed workstations must be protected with Symantec EndPoint Protection antivirus software.
- 4) All state managed laptops must be encrypted with McAfee Endpoint Encryption.
- 5) The state-hosted solution must run on a VMware View managed virtual desktops.
- 6) Workstation configuration shall provide users minimal rights.
- State network connected workstations shall follow configuration standards that are managed by and maintained by ITSD. Any variations to standards must follow ITSD variance processes.
- 8) Software installation services shall be automated through Microsoft's system Center Configuration Manager (SCCM) tool.
- 9) Any software provided by the contractor for installation, must be automated with minimal or no configuration required by ITSD.
- 10) Workstation software must automatically update itself or the contractor must schedule updates through the designated lab personnel.
- nn. Multiple Environments shall be addressed as defined below:

1) If support will be handled by ITSD, the contractor shall work closely with ITSD to plan and design all technical environments required (including all project and production environments and related network configuration).

- 2) All regions must be representative of the production environment, except for development. All software must be installed and at the same version and kept current during the term of the contract. In addition, all regions must be logically independent, and activities must be able to occur in any or all regions simultaneously.
- oo. The state-hosted solution must operate with the state's Collaboration/Application Platform.
 - 1) The State supported solutions for collaboration shall be SharePoint.
 - 2) The version of the application platform software shall be N or N-1 for all environments.
 - 3) ITSD staff will install, configure, and maintain the SharePoint server environments, including SharePoint Farms, Web Applications, and IIS sites; plus related third-party applications designed to assist in administration and management of the SharePoint Farm environments.
 - 4) ITSD staff will be responsible for the initial creation of the site collections prior to handing control over to the Site Collection owners within the requesting state agency.
 - 5) Creation and maintenance of content within a Site Collection including sites, pages, lists, links, workflows, and documents are the responsibility of the state agency site collection owner.
 - 6) Administrator access to these servers is limited to SDC staff. Access to local log files and access logs is available via logging server or other SDC supported tools.
 - 7) All SharePoint farms shall be configured to go through a load balancer. If the farm is not load balanced, the sites shall be directed to the SharePoint Web server.
 - 8) All SharePoint sites will be evaluated to use existing SharePoint Hosting Farms.
- pp. Enterprise Web Reporting Services shall be handled through Microsoft SQL Server Reporting Services (version N or N-1).
- qq. The state-hosted solution must operate with the state's Application Server requirements:
 - 1) State application servers must be located in SDC.
 - 2) Public facing web servers shall be located within DMZs in the SDC.
- rr. All new and existing SharePoint hosted site collections that require additional database, IT security, hardware, or additional ITSD technical support resources, must be reviewed and approved by ITSD management responsible for those resources, including SharePoint administrative and enterprise database support.

2.4 Additional Requirements:

2.4.1 The contractor shall provide all sample cups, test tubes, cuvettes, repair parts, bar code labels, sample transport racks, cleaning solutions, and any item specific to the biochemical analyzers' operation.

Microgenics Corporation Response to 2.4.1

Microgenics Corporation meets this requirement.

2.4.2 The contractor shall provide reagents, calibrators, and controls with the following requirements:

Microgenics Corporation Response to 2.4.2

Microgenics Corporation meets this requirement and/or will replace any short dated products at no charge.

- a. A shelf life of a minimum of six (6) months from the date of delivery to the laboratory; and
- b. An after-opening stability of a minimum of four (4) weeks for 500mL test kits. However, if the test kit is larger than 500mL, the contractor must provide a minimum of eight (8) weeks of stability.
- 2.4.3 The contractor shall provide calibrators and controls for each test kit at no additional cost to the state agency. Microgenics Corporation Response to 2.4.3

Microgenics Corporation meets this requirement.

2.4.4 The contractor shall provide, at a minimum, reagents for testing the presence of the following drugs and/or the drug's metabolites in urine samples:

Microgenics Corporation Response to 2.4.4

Microgenics Corporation meets this requirement.

- a. THC
- b. Cocaine
- c. PCP
- d. Opiates
- e. Benzodiazepine
- f. Amphetamines/Class of drug
- g. Barbiturates
- h. EtG
- i. Oxycodone

2.4.5 The contractor shall provide one (1) test kit per month or twelve (12) kits per year to allow for troubleshooting instrument or reagent problems, which require additional calibrating and controls.

Microgenics Corporation Response to 2.4.5

Microgenics Corporation meets this requirement.

2.4.6 For each kit provided, the contractor shall provide the minimum number of tests specified on the Pricing Page. If the kit yields less than the number of tests specified on the Pricing Page, the contractor shall immediately reconcile the issue with additional test kits. If the product, product number, or kit yield changes during the term of the contract, the contractor shall notify the state agency within thirty (30) calendar days upon discovery of the discrepancy.

Microgenics Corporation Response to 2.4.6

Refer to the Price List Tab (3) for kit yield information.

- a. The contractor should provide 500 mL test kits for the tests identified on the Pricing Page.
- 2.4.7 Upon request by the state agency, the contractor shall provide emergency services provided by an authorized representative to avoid a lapse in testing services in excess of twenty-four (24) hours.

Microgenics Corporation Response to 2.4.7

Microgenics Corporation meets this requirement.

2.4.8 The contractor shall provide twenty-four (24) hour technical assistance, preferably with a toll-free telephone number.

Microgenics Corporation Response to 2.4.8

Microgenics Corporation meets this requirement.

2.4.9 The contractor shall install and make operational all equipment necessary to meet occupational safety and health standards and to perform tests so as not to significantly interrupt routine testing. The contractor's installation shall be coordinated through the state agency. The contractor shall perform validation for both new equipment and assays, and provide the information resulting from the validation to the state agency.

Microgenics Corporation Response to 2.4.9

Microgenics Corporation meets this requirement.

2.4.10 The contractor shall provide adequate uninterrupted power supply (i.e. battery backup) for all equipment that the contractor installs at the state agency's laboratory.

Microgenics Corporation Response to 2.4.10

Microgenics Corporation meets this requirement.

2.4.11 The contractor shall understand and agree the actual times at which the contractor's services will be performed shall be mutually agreed upon between the contractor and the state agency.

Microgenics Corporation Response to 2.4.11

Microgenics Corporation meets this requirement.

2.4.12 On a monthly, quarterly, and annual basis, the contractor shall provide an Executive Summary report spreadsheet that is Microsoft Excel compatible and compliant with current spreadsheets. The Executive Summary report shall include, but not be limited to, the following:

Microgenics Corporation Response to 2.4.12

Microgenics Corporation meets this requirement.

- a. Institutions
- b. Treatment centers
- c. Zones
- d. Employees
- e. Field services offices
- f. Random
- g. Target
- h. Assessment
- i. Treatment and other tests
- i. Validity results
- k. Total number of samples
- 1. Total number of positive results by individual drug(s)
- 2.4.13 Data Security and System Requirements: The contractor's system for fulfilling the requirements herein must comply with the following data security and system requirements:
 - a. Data Encryption/Security-
 - All sessions and web services (internal and external) must be executed via HTTPS. The state uses
 Entrust SSL certificates for public web sites purchased through a multi-year agreement with the
 contractor and managed by the State. Internal SSL certificates are created through Microsoft
 Certificate Services.
 - 2) The contractor's system must encrypt data in transit.
 - 3) The contractor's system must encrypt sensitive data at rest.
 - 4) The contractor's system must provide encryption capabilities that meet the Federal Information Processing Standard (FIPS) 140-2 and a minimum of 128-bit encryption.
 - b. User ID's-
 - All users shall be assigned Roles based upon their business needs. User IDs and Roles shall be managed in a single, centralized location within the application. Roles must be able to be added, removed, or disabled based upon business needs to be effective immediately.
 - 2) The contractor's system must automatically audit account creation, modification, disabling, and termination actions and notify, as required, appropriate individual users.
 - 3) The contractor's system must enforce state standards for valid passwords and user/password authentication or the contractor's system must allow for active directory integration.
 - c. Data Retention / Logs-
 - 1) The contractor's system must provide for on-line data retention of all transactions without affecting system response time and performance.
 - 2) The contractor's system must provide for on-line data retention of all transactions for a minimum of five (5) years without affecting system response time and performance.
 - 3) The contractor's system logs must be protected from tampering and unauthorized deletion.
 - 4) All date and time references throughout all the contractor's system components, databases, audit logs, etc. shall capture date/time based on the standard practiced by the state.

2.4.14 The contractor shall not schedule any system outages or disruptions during normal business hours of 7:30 am to 5:00 pm Monday thru Friday Central Time unless otherwise agreed upon by the state agency.

2.5 State Agency Provisions:

- 2.5.1 The state agency will provide and maintain space, electrical and water hookups, and an internet connection at the laboratory.
- 2.5.2 The state agency will attempt to provide reasonable security for the contractor's equipment and personnel while on the state agency's property.
- 2.5.3 For quality assurance performance, the state agency will maintain an accession log inclusive of all testing performed on donor samples.
 - a. The state agency will log all calibrators and reagent controls in accordance with manufacturer's specifications.
 - b. The state agency will document any troubleshooting tests and immediately notify the contractor of any equipment malfunctions and/or difficulties encountered. The contractor shall evaluate the equipment malfunctions and/or difficulties encountered, order any required parts to resolve the equipment malfunctions, and dispatch a representative to the state agency within twenty-four (24) hours of the notification from the state agency.

2.6 Invoicing and Payment Requirements:

- 2.6.1 The State of Missouri shall submit contract payments to the contractor at the remittance address listed in the contractor's MissouriBUYS vendor registration. However, the contractor shall understand and agree the state reserves the right to make contract payments to the contractor through electronic funds transfer (EFT). Therefore, prior to any payments becoming due under the contract, the contractor must verify and update, if applicable, their vendor registration with their current remittance address and ACH-EFT payment information at https://MissouriBUYS.mo.gov.
 - a. The contractor must submit invoices on the contractor's original descriptive business invoice form unless the contractor is submitting an integrated electronic invoice (eInvoice) in MissouriBUYS. Each invoice submitted must contain a unique invoice number and the remittance address included in the contractor's MissouriBUYS vendor. The invoice number will be listed on the State of Missouri's EFT addendum record to enable the contractor to properly apply the state agency's payment to the invoice submitted. The contractor may obtain detailed information for payments issued for the past 24 months from the State of Missouri's central accounting system (SAM II) on the Vendor Services Portal at:

https://www.vendorservices.mo.gov/vendorservices/Portal/Default.aspx

Microgenics Corporation Response to 2.6.1

Microgenics Corporation will comply with this requirement.

2.6.2 Invoicing – The contractor shall submit an invoice to the state agency for each order to the following address:

Missouri Department of Corrections Toxicology Laboratory
Attn: Toxicology Business Office
PO Box 70
Fulton, MO 65251

- a. For any test provided and reported that is listed on the Pricing Page, the contractor shall invoice in accordance with the firm, fixed price per test stated on the Pricing Page.
- b. For any test provided and reported that is not listed on the Pricing Page, but is listed in the contractor's price list or catalog, the contractor shall invoice in accordance with the firm, fixed price per test

stated in the contractor's price file or catalog and discounted by the percentage stated on the Pricing Page.

- 2.6.3 Payments Upon acceptance of the invoice by the state agency, the contractor shall be paid for services performed.
 - a. For any test provided and reported where the test is listed on the Pricing Page, the contractor shall be paid the firm, fixed price per test stated on the Pricing Page.
 - b. For any test provided and reported that is not listed on the Pricing Page, but is listed in the contractor's price list or catalog, the contractor shall be paid the firm, fixed price per test stated in the price file or catalog discounted by the percentage stated on the Pricing Page.
- 2.6.4 Other than the payments specified above, no other payments or reimbursements shall be made to the contractor for any reason whatsoever including, but not limited to taxes, shipping charges, insurance, interest, penalties, termination payments, attorney fees, liquidated damages, etc.
- 2.6.5 Notwithstanding any other payment provision of the contract, if the contractor fails to perform required work or services, fails to submit reports when due, or is indebted to the United States, the state agency may withhold payment or reject invoices under the contract.
- 2.6.6 Final invoices are due by no later than thirty (30) calendar days of the expiration of the contract. The state agency shall have no obligation to pay any invoice submitted after the due date.
- 2.6.7 If a request by the contractor for payment or reimbursement is denied, the state agency shall provide the contractor with written notice of the reason(s) for denial.
- 2.6.8 If the contractor is overpaid by the state agency, upon official notification by the state agency, the contractor shall provide the state agency (1) with a check payable as instructed by the state agency in the amount of such overpayment at the address specified by the state agency or (2) deduct the overpayment from the monthly invoices as requested by the state agency.

2.7 Other Contractual Requirements:

- 2.7.1 Contract A binding contract shall consist of: (1) the RFP, addendums thereto, and any Best and Final Offer (BAFO) request(s) with RFP changes/additions, (2) the contractor's proposal including any contractor BAFO response(s), (3) clarification of the proposal, if any, and (4) the Division of Purchasing's acceptance of the proposal by "notice of award". All Exhibits and Attachments included in the RFP shall be incorporated into the contract by reference.
 - a. A notice of award issued by the State of Missouri does not constitute an authorization for shipment of equipment or supplies or a directive to proceed with services. Before providing equipment, supplies, and/or services for the State of Missouri, the contractor must receive a properly authorized purchase order or other form of authorization given to the contractor at the discretion of the state agency.
 - b. The contract expresses the complete agreement of the parties and performance shall be governed solely by the specifications and requirements contained therein.
 - c. Any change to the contract, whether by modification and/or supplementation, must be accomplished by a formal contract amendment signed and approved by and between the duly authorized representative of the contractor and the Division of Purchasing prior to the effective date of such modification. The contractor expressly and explicitly understands and agrees that no other method and/or no other document, including correspondence, acts, and oral communications by or from any person, shall be used or construed as an amendment or modification to the contract.

2.7.2 Contract Period - The original contract period shall be as stated on the Notice of Award. The contract shall not bind, nor purport to bind, the state for any contractual commitment in excess of the original contract period. The Division of Purchasing shall have the right, at its sole option, to renew the contract for four (4) additional one-year periods, or any portion thereof. In the event the Division of Purchasing exercises such right, all terms and conditions, requirements and specifications of the contract shall remain the same and apply during the renewal period, pursuant to applicable option clauses of this document.

- 2.7.3 Renewal Periods If the option for renewal is exercised by the Division of Purchasing and, the contractor shall agree that the prices for the renewal period shall not exceed the maximum percent of increase for the applicable renewal period stated on the Pricing Page of the contract.
 - a. If renewal percentages are not provided, then prices during renewal periods shall be the same as during the original contract period.
 - b. In addition, the contractor shall understand and agree that any renewal period increases specified in the contract are not automatic. At the time of contract renewal, if the state determines funding does not permit the specified renewal pricing increase or even a portion thereof, the renewal pricing shall remain the same as during the previous contract period. If such action is rejected by the contractor, the contract may be terminated, and a new procurement process may be conducted. The contractor shall also understand and agree the state may determine funding limitations necessitate a decrease in the contractor's pricing for the renewal period(s). If such action is necessary and the contractor rejects the decrease, the contract may be terminated, and a new procurement process may be conducted.
- 2.7.4 Termination The Division of Purchasing reserves the right to terminate the contract at any time, for the convenience of the State of Missouri, without penalty or recourse, by giving written notice to the contractor at least thirty (30) calendar days prior to the effective date of such termination. The contractor shall be entitled to receive compensation for services and/or supplies delivered to and accepted by the State of Missouri pursuant to the contract prior to the effective date of termination.

2.7.5 Transition:

- a. The contractor shall work with the state agency and any other organizations designated by the state agency to ensure an orderly transition of services and responsibilities under the contract and to ensure the continuity of those services required by the state agency.
- b. Upon expiration, termination, or cancellation of the contract, the contractor shall assist the state agency to ensure an orderly and smooth transfer of responsibility and continuity of those services required under the terms of the contract to an organization designated by the state agency. If requested by the state agency, the contractor shall provide and/or perform any or all of the following responsibilities:
 - 1) The contractor shall deliver, FOB destination, all records, documentation, reports, data, recommendations, or printing elements, etc., which were required to be produced under the terms of the contract to the state agency and/or to the state agency's designee within seven (7) days after receipt of the written request in a format and condition that are acceptable to the state agency.
 - 2) The contractor shall discontinue providing service or accepting new assignments under the terms of the contract, on the date specified by the state agency, in order to ensure the completion of such service prior to the expiration of the contract.
 - 3) If requested in writing via formal contract amendment, the contractor shall continue providing any part or all of the services in accordance with the terms and conditions, requirements and specifications of the contract for a period not to exceed thirty (30) calendar days after the expiration, termination, or cancellation date of the contract for a price not to exceed those prices set forth in the contract.

2.7.6 Contractor Liability - The contractor shall be responsible for any and all personal injury (including death) or property damage as a result of the contractor's negligence involving any equipment or service provided under the terms and conditions, requirements and specifications of the contract. In addition, the contractor assumes the obligation to save the State of Missouri, including its agencies, employees, and assignees, from every expense, liability, or payment arising out of such negligent act.

- a. The contractor also agrees to hold the State of Missouri, including its agencies, employees, and assignees, harmless for any negligent act or omission committed by any subcontractor or other person employed by or under the supervision of the contractor under the terms of the contract.
- b. The contractor shall not be responsible for any injury or damage occurring as a result of any negligent act or omission committed by the State of Missouri, including its agencies, employees, and assignees.
- 2.7.7 Insurance The contractor shall understand and agree that the State of Missouri cannot save and hold harmless and/or indemnify the contractor or employees against any liability incurred or arising as a result of any activity of the contractor or any activity of the contractor's employees related to the contractor's performance under the contract. Therefore, the contractor must acquire and maintain adequate liability insurance in the form(s) and amount(s) sufficient to protect the State of Missouri, its agencies, its employees, its clients, and the general public against any such loss, damage and/or expense related to his/her performance under the contract. The insurance coverage shall include but not necessarily be limited to general liability and appropriate professional liability. The general and other non-professional liability insurance shall include an endorsement that adds the State of Missouri as an additional insured.
 - a. Written evidence of the insurance shall be provided by the contractor to the state agency prior to performance under the contract. The evidence of insurance shall include, but shall not necessarily be limited to: effective dates of coverage, limits of liability, insurer's name, policy number, endorsement for the non-professional liability insurance naming the State of Missouri as an additional insured, endorsement by representatives of the insurance company, etc. The contract number must be identified on the evidence of insurance coverage. Evidence of self-insurance coverage or of another alternative risk financing mechanism may be utilized provided that such coverage is verifiable and irrevocably reliable and the State of Missouri is protected as an additional insured.
 - b. In the event any insurance coverage is cancelled, the state agency must be notified at least thirty (30) calendar days prior to such cancellation.
- 2.7.8 Subcontractors Any subcontracts for the products/services described herein must include appropriate provisions and contractual obligations to ensure the successful fulfillment of all contractual obligations agreed to by the contractor and the State of Missouri and to ensure that the State of Missouri is indemnified, saved, and held harmless from and against any and all claims of damage, loss, and cost (including attorney fees) of any kind related to a subcontract in those matters described in the contract between the State of Missouri and the contractor.
 - a. The contractor shall expressly understand and agree that he/she shall assume and be solely responsible for all legal and financial responsibilities related to the execution of a subcontract.
 - b. The contractor shall agree and understand that utilization of a subcontractor to provide any of the products/services in the contract shall in no way relieve the contractor of the responsibility for providing the products/services as described and set forth herein.
 - c. The contractor must obtain the approval of the State of Missouri prior to establishing any new subcontracting arrangements and before changing any subcontractors. The approval shall not be arbitrarily withheld.

d. Pursuant to subsection 1 of section 285.530, RSMo, no contractor or subcontractor shall knowingly employ, hire for employment, or continue to employ an unauthorized alien to perform work within the state of Missouri. In accordance with sections 285.525 to 285.550, RSMo, a general contractor or subcontractor of any tier shall not be liable when such contractor or subcontractor contracts with its direct subcontractor who violates subsection 1 of section 285.530, RSMo, if the contract binding the contractor and subcontractor affirmatively states that:

- 1) The direct subcontractor is not knowingly in violation of subsection 1 of section 285.530, RSMo, and shall not henceforth be in such violation.
- 2) The contractor or subcontractor receives a sworn affidavit under the penalty of perjury attesting to the fact that the direct subcontractor's employees are lawfully present in the United States.
- 2.7.9 Participation by Other Organizations The contractor must comply with any Organization for the Blind/Sheltered Workshop, Service-Disabled Veteran Business Enterprise (SDVE), and/or Minority Business Enterprise/Women Business Enterprise (MBE/WBE) participation levels committed to in the contractor's awarded proposal.
 - a. The contractor shall prepare and submit to the Division of Purchasing a report detailing all payments made by the contractor to Organizations for the Blind/Sheltered Workshops, SDVEs, and/or MBE/WBEs participating in the contract for the reporting period. The contractor must submit the report on a monthly basis, unless otherwise determined by the Division of Purchasing.
 - b. The Division of Purchasing will monitor the contractor's compliance in meeting the Organizations for the Blind/Sheltered Workshop and SDVE participation levels committed to in the contractor's awarded proposal. The Division of Purchasing in conjunction with the Office of Equal Opportunity (OEO) will monitor the contractor's compliance in meeting the MBE/WBE participation levels committed to in the contractor's awarded proposal. If the contractor's payments to the participating entities are less than the amount committed, the state may cancel the contract and/or suspend or debar the contractor from participating in future state procurements, or retain payments to the contractor in an amount equal to the value of the participation commitment less actual payments made by the contractor to the participating entity. If the Division of Purchasing determines that the contractor becomes compliant with the commitment, any funds retained as stated above, will be released.
 - c. If a participating entity fails to retain the required certification or is unable to satisfactorily perform, the contractor must obtain other certified MBE/WBEs or other organizations for the blind/sheltered workshops or other SDVEs to fulfill the participation requirements committed to in the contractor's awarded proposal.
 - 1) The contractor must obtain the written approval of the Division of Purchasing for any new entities. This approval shall not be arbitrarily withheld.
 - 2) If the contractor cannot obtain a replacement entity, the contractor must submit documentation to the Division of Purchasing detailing all efforts made to secure a replacement. The Division of Purchasing shall have sole discretion in determining if the actions taken by the contractor constitute a good faith effort to secure the required participation and whether the contract will be amended to change the contractor's participation commitment.
 - d. No later than thirty (30) calendar days after the effective date of the first renewal period, the contractor must submit an affidavit to the Division of Purchasing. The affidavit must be signed by the director or manager of the participating Organizations for the Blind/Sheltered Workshop verifying provision of products and/or services and compliance of all contractor payments made to the Organizations for the Blind/Sheltered Workshops. The contractor may use the affidavit available on the Division of Purchasing's website at http://oa.mo.gov/sites/default/files/bswaffidavit.doc or another affidavit providing the same information.

2.7.10 Substitution of Personnel - The contractor agrees and understands that the State of Missouri's agreement to the contract is predicated in part on the utilization of the specific key individual(s) and/or personnel qualifications identified in the proposal. Therefore, the contractor agrees that no substitution of such specific key individual(s) and/or personnel qualifications shall be made without the prior written approval of the state agency. The contractor further agrees that any substitution made pursuant to this paragraph must be equal or better than originally proposed and that the state agency's approval of a substitution shall not be construed as an acceptance of the substitution's performance potential. The State of Missouri agrees that an approval of a substitution will not be unreasonably withheld.

2.7.11 Authorized Personnel:

- a. The contractor shall only employ personnel authorized to work in the United States in accordance with applicable federal and state laws. This includes but is not limited to the Illegal Immigration Reform and Immigrant Responsibility Act (IIRIRA) and INA Section 274A.
- b. If the contractor is found to be in violation of this requirement or the applicable state, federal and local laws and regulations, and if the State of Missouri has reasonable cause to believe that the contractor has knowingly employed individuals who are not eligible to work in the United States, the state shall have the right to cancel the contract immediately without penalty or recourse and suspend or debar the contractor from doing business with the state. The state may also withhold up to twenty-five percent (25%) of the total amount due to the contractor.
- c. The contractor shall agree to fully cooperate with any audit or investigation from federal, state, or local law enforcement agencies.
- d. If the contractor meets the definition of a business entity as defined in section 285.525, RSMo, pertaining to section 285.530, RSMo, the contractor shall maintain enrollment and participation in the E-Verify federal work authorization program with respect to the employees hired after enrollment in the program who are proposed to work in connection with the contracted services included herein. If the contractor's business status changes during the life of the contract to become a business entity as defined in section 285.525, RSMo, pertaining to section 285.530, RSMo, then the contractor shall, prior to the performance of any services as a business entity under the contract:
 - Enroll and participate in the E-Verify federal work authorization program with respect to the employees hired after enrollment in the program who are proposed to work in connection with the services required herein; AND
 - 2) Provide to the Division of Purchasing the documentation required in the exhibit titled, Business Entity Certification, Enrollment Documentation, and Affidavit of Work Authorization affirming said company's/individual's enrollment and participation in the E-Verify federal work authorization program; AND
 - 3) Submit to the Division of Purchasing a completed, notarized Affidavit of Work Authorization provided in the exhibit titled, Business Entity Certification, Enrollment Documentation, and Affidavit of Work Authorization.
- e. In accordance with subsection 2 of section 285.530, RSMo, the contractor should renew their Affidavit of Work Authorization annually. A valid Affidavit of Work Authorization is necessary to award any new contracts.
- 2.7.12 Contractor Status The contractor is an independent contractor and shall not represent the contractor or the contractor's employees to be employees of the State of Missouri or an agency of the State of Missouri. The contractor shall assume all legal and financial responsibility for salaries, taxes, FICA, employee fringe benefits, workers compensation, employee insurance, minimum wage requirements, overtime, etc., and

agrees to indemnify, save, and hold the State of Missouri, its officers, agents, and employees, harmless from and against, any and all loss; cost (including attorney fees); and damage of any kind related to such matters.

- 2.7.13 Coordination The contractor shall fully coordinate all contract activities with those activities of the state agency. As the work of the contractor progresses, advice and information on matters covered by the contract shall be made available by the contractor to the state agency or the Division of Purchasing throughout the effective period of the contract.
- 2.7.14 Property of State The contractor shall agree and understand that all documents, data, reports, supplies, equipment, and accomplishments prepared, furnished, or completed by the contractor pursuant to the terms of the contract shall become the property of the State of Missouri. Upon expiration, termination, or cancellation of the contract, said items shall become the property of the State of Missouri, which shall include all rights and interests for present and future use or sale as deemed appropriate by the state agency.
 - a. The State of Missouri understands and agrees that any ancillary software tools or pre-printed materials (e.g., project management software tools or training software tools, etc.) developed or acquired by the contractor that may be necessary to perform a particular service required hereunder but not required as a specific deliverable of the contract, shall remain the property of the contractor; however, the contractor shall be responsible for ensuring such tools and materials are being used in accordance with applicable intellectual property rights and copyrights.

2.7.15 Confidentiality:

- a. The contractor shall agree and understand that all discussions with the contractor and all information gained by the contractor as a result of the contractor's performance under the contract shall be confidential and that no reports, documentation, or material prepared as required by the contract shall be released to the public without the prior written consent of the state agency.
- b. If required by the state agency, the contractor and any required contractor personnel must sign specific documents regarding confidentiality, security, or other similar documents upon request. Failure of the contractor and any required personnel to sign such documents shall be considered a breach of contract and subject to the cancellation provisions of this document.

2.7.16 Contractor Equipment Use:

- a. Title to any equipment required by the contract shall be held by and vested in the contractor. The State of Missouri shall not be liable in the event of loss, incident, destruction, theft, damage, etc., for the equipment including, but not limited to, devices, wires, software, technical literature, etc. It shall be the contractor's sole responsibility to obtain insurance coverage for such loss in an amount that the contractor deems appropriate.
- b. Liability The contractor shall agree that the State of Missouri shall not be responsible for any liability incurred by the contractor or the contractor's employees arising out of the ownership, selection, possession, leasing, rental, operation, control, use, maintenance, delivery, return, and/or installation of equipment provided by the contractor, except as otherwise provided in the contract.

2.8 Business Associate Provisions:

2.8.1 Health Insurance Portability and Accountability Act of 1996, as amended - The state agency and the contractor are both subject to and must comply with provisions of the Health Insurance Portability and Accountability Act of 1996 (HIPAA), as amended by the Health Information Technology for Economic and Clinical Health Act (HITECH) (PL-111-5) (collectively, and hereinafter, HIPAA) and all regulations promulgated pursuant to authority granted therein. The contractor constitutes a "Business Associate" of the state agency. Therefore, the term, "contractor" as used in this section shall mean "Business Associate."

a. The contractor agrees that for purposes of the Business Associate Provisions contained herein, terms used but not otherwise defined shall have the same meaning as those terms defined in 45 CFR Parts 160 and 164 and 42 U.S.C. §§ 17921 et. seq. including, but not limited to the following:

- 1) "Access", "administrative safeguards", "confidentiality", "covered entity", "data aggregation", "designated record set", "disclosure", "hybrid entity", "information system", "physical safeguards", "required by law", "technical safeguards", "use" and "workforce" shall have the same meanings as defined in 45 CFR 160.103, 164.103, 164.304, and 164.501 and HIPAA.
- 2) "Breach" shall mean the unauthorized acquisition, access, use, or disclosure of Protected Health Information which compromises the security or privacy of such information, except as provided in 42 U.S.C. § 17921. This definition shall not apply to the term "breach of contract" as used within the contract.
- 3) "Business Associate" shall generally have the same meaning as the term "business associate" at 45 CFR 160.103, and in reference to the party to this agreement, shall mean the contractor.
- 4) "Covered Entity" shall generally have the same meaning as the term "covered entity" at 45 CFR 160.103, and in reference to the party to this agreement, shall mean the state agency.
- 5) "Electronic Protected Health Information" shall mean information that comes within paragraphs (1)(i) or (1)(ii) of the definition of Protected Health Information as specified below.
- 6) "Enforcement Rule" shall mean the HIPAA Administrative Simplification: Enforcement; Final Rule at 45 CFR Parts 160 and 164.
- "HIPAA Rules" shall mean the Privacy, Security, Breach Notification, and Enforcement Rules at 45 CFR Part 160 and Part 164.
- 8) "Individual" shall have the same meaning as the term "individual" in 45 CFR 160.103 and shall include a person who qualifies as a personal representative in accordance with 45 CFR 164.502 (g).
- 9) "Privacy Rule" shall mean the Standards for Privacy of Individually Identifiable Health Information at 45 CFR Part 160 and Part 164, Subparts A and E.
- 10) "Protected Health Information" as defined in 45 CFR 160.103, shall mean individually identifiable health information:
 - (a) Except as provided in paragraph (b) of this definition, that is: (i) Transmitted by electronic media; or (ii) Maintained in electronic media; or (iii) Transmitted or maintained in any other form or medium.
 - (b) Protected Health Information excludes individually identifiable health information in (i) Education records covered by the Family Educational Rights and Privacy Act, as amended, 20 U.S.C. 1232g; (ii) Records described at 20 U.S.C. 1232g(a)(4)(B)(iv); and (iii) Employment records held by a covered entity (state agency) in its role as employer.
- 11) "Security Incident" shall be defined as set forth in the "Obligations of the Contractor" section of the Business Associate Provisions.
- 12) "Security Rule" shall mean the Security Standards for the Protection of Electronic Protected Health Information at 45 CFR Part 164, Subpart C.

13) "Unsecured Protected Health Information" shall mean Protected Health Information that is not secured through the use of a technology or methodology determined in accordance with 42 U.S.C. § 17932 or as otherwise specified by the secretary of Health and Human Services.

- b. The contractor agrees and understands that wherever in this document the term Protected Health Information is used, it shall also be deemed to include Electronic Protected Health Information.
- c. The contractor must appropriately safeguard Protected Health Information which the contractor receives from or creates or receives on behalf of the state agency. To provide reasonable assurance of appropriate safeguards, the contractor shall comply with the business associate provisions stated herein, as well as the provisions of the Health Insurance Portability and Accountability Act of 1996 (HIPAA), as amended by the Health Information Technology for Economic and Clinical Health Act (HITECH) (PL-111-5) and all regulations promulgated pursuant to authority granted therein.
- d. The state agency and the contractor agree to amend the contract as is necessary for the parties to comply with the requirements of HIPAA and the Privacy Rule, Security Rule, Enforcement Rule, and other rules as later promulgated (hereinafter referenced as the regulations promulgated thereunder). Any ambiguity in the contract shall be interpreted to permit compliance with the HIPAA Rules.

2.8.2 Permitted Uses and Disclosures of Protected Health Information by the Contractor:

- a. The contractor may not use or disclose Protected Health Information in any manner that would violate Subpart E of 45 CFR Part 164 if done by the state agency, except for the specific uses and disclosures in the contract.
- b. The contractor may use or disclose Protected Health Information to perform functions, activities, or services for, or on behalf of, the state agency as specified in the contract, provided that such use or disclosure would not violate HIPAA and the regulations promulgated thereunder.
- c. The contractor may use Protected Health Information to report violations of law to appropriate Federal and State authorities, consistent with 45 CFR 164.502(j)(1) and shall notify the state agency by no later than ten (10) calendar days after the contractor becomes aware of the disclosure of the Protected Health Information.
- d. If required to properly perform the contract and subject to the terms of the contract, the contractor may use or disclose Protected Health Information if necessary for the proper management and administration of the contractor's business.
- e. If the disclosure is required by law, the contractor may disclose Protected Health Information to carry out the legal responsibilities of the contractor.
- f. If applicable, the contractor may use Protected Health Information to provide Data Aggregation services to the state agency as permitted by 45 CFR 164.504(e)(2)(i)(B).
- g. The contractor may not use Protected Health Information to de-identify or re-identify the information in accordance with 45 CFR 164.514(a)-(c) without specific written permission from the state agency to do so.
- h. The contractor agrees to make uses and disclosures and requests for Protected Health Information consistent with the state agency's minimum necessary policies and procedures.

2.8.3 Obligations and Activities of the Contractor:

a. The contractor shall not use or disclose Protected Health Information other than as permitted or required by the contract or as otherwise required by law, and shall comply with the minimum necessary disclosure requirements set forth in 45 CFR § 164.502(b).

- b. The contractor shall use appropriate administrative, physical and technical safeguards to prevent use or disclosure of the Protected Health Information other than as provided for by the contract. Such safeguards shall include, but not be limited to:
 - 1) Workforce training on the appropriate uses and disclosures of Protected Health Information pursuant to the terms of the contract;
 - 2) Policies and procedures implemented by the contractor to prevent inappropriate uses and disclosures of Protected Health Information by its workforce and subcontractors, if applicable;
 - Encryption of any portable device used to access or maintain Protected Health Information or use of equivalent safeguard;
 - 4) Encryption of any transmission of electronic communication containing Protected Health Information or use of equivalent safeguard; and
 - 5) Any other safeguards necessary to prevent the inappropriate use or disclosure of Protected Health Information.
- c. With respect to Electronic Protected Health Information, the contractor shall use appropriate administrative, physical and technical safeguards that reasonably and appropriately protect the confidentiality, integrity and availability of the Electronic Protected Health Information that contractor creates, receives, maintains or transmits on behalf of the state agency and comply with Subpart C of 45 CFR Part 164, to prevent use or disclosure of Protected Health Information other than as provided for by the contract.
- d. In accordance with 45 CFR 164.502(e)(1)(ii) and 164.308(b)(2), the contractor shall require that any agent or subcontractor that creates, receives, maintains, or transmits Protected Health Information on behalf of the contractor agrees to the same restrictions, conditions, and requirements that apply to the contractor with respect to such information.
- e. By no later than ten (10) calendar days after receipt of a written request from the state agency, or as otherwise required by state or federal law or regulation, or by another time as may be agreed upon in writing by the state agency, the contractor shall make the contractor's internal practices, books, and records, including policies and procedures and Protected Health Information, relating to the use and disclosure of Protected Health Information received from, created by, or received by the contractor on behalf of the state agency available to the state agency and/or to the Secretary of the Department of Health and Human Services or designee for purposes of determining compliance with the HIPAA Rules and the contract.
- f. The contractor shall document any disclosures and information related to such disclosures of Protected Health Information as would be required for the state agency to respond to a request by an individual for an accounting of disclosures of Protected Health Information in accordance with 42 USCA §17932 and 45 CFR 164.528. By no later than five (5) calendar days of receipt of a written request from the state agency, or as otherwise required by state or federal law or regulation, or by another time as may be agreed upon in writing by the state agency, the contractor shall provide an accounting of disclosures of Protected Health Information regarding an individual to the state agency. If requested by the state agency or the individual, the contractor shall provide an accounting of disclosures directly to the

individual. The contractor shall maintain a record of any accounting made directly to an individual at the individual's request and shall provide such record to the state agency upon request.

- g. In order to meet the requirements under 45 CFR 164.524, regarding an individual's right of access, the contractor shall, within five (5) calendar days following a state agency request, or as otherwise required by state or federal law or regulation, or by another time as may be agreed upon in writing by the state agency, provide the state agency access to the Protected Health Information in an individual's designated record set. However, if requested by the state agency, the contractor shall provide access to the Protected Health Information in a designated record set directly to the individual for whom such information relates.
- h. At the direction of the state agency, the contractor shall promptly make any amendment(s) to Protected Health Information in a Designated Record Set pursuant to 45 CFR 164.526.
- i. The contractor shall report to the state agency's Security Officer any security incident immediately upon becoming aware of such incident and shall take immediate action to stop the continuation of any such incident. For purposes of this paragraph, security incident shall mean the attempted or successful unauthorized access, use, modification or destruction of information or interference with systems operations in an information system. This does not include trivial incidents that occur on a daily basis, such as scans, "pings," or unsuccessful attempts that do not penetrate computer networks or servers or result in interference with system operations. By no later than five (5) days after the contractor becomes aware of such incident, the contractor shall provide the state agency's Security Officer with a description of any remedial action taken to mitigate any harmful effect of such incident and a proposed written plan of action for approval that describes plans for preventing any such future security incidents.
- j. The contractor shall report to the state agency's Privacy Officer any unauthorized use or disclosure of Protected Health Information not permitted or required as stated herein immediately upon becoming aware of such use or disclosure and shall take immediate action to stop the unauthorized use or disclosure. By no later than five (5) calendar days after the contractor becomes aware of any such use or disclosure, the contractor shall provide the state agency's Privacy Officer with a written description of any remedial action taken to mitigate any harmful effect of such disclosure and a proposed written plan of action for approval that describes plans for preventing any such future unauthorized uses or disclosures.
- k. The contractor shall report to the state agency's Security Officer any breach immediately upon becoming aware of such incident and shall take immediate action to stop the continuation of any such incident. By no later than five (5) days after the contractor becomes aware of such incident, the contractor shall provide the state agency's Security Officer with a description of the breach, the information compromised by the breach, and any remedial action taken to mitigate any harmful effect of such incident and a proposed written plan for approval that describes plans for preventing any such future incidents.
- 1. The contractor's reports required in the preceding paragraphs shall include the following information regarding the security incident, improper disclosure/use, or breach, (hereinafter "incident"):
 - 1) The name, address, and telephone number of each individual whose information was involved if such information is maintained by the contractor;
 - 2) The electronic address of any individual who has specified a preference of contact by electronic mail;
 - A brief description of what happened, including the date(s) of the incident and the date(s) of the discovery of the incident;

4) A description of the types of Protected Health Information involved in the incident (such as full name, Social Security Number, date of birth, home address, account number, or disability code) and whether the incident involved Unsecured Protected Health Information; and

- 5) The recommended steps individuals should take to protect themselves from potential harm resulting from the incident.
- m. Notwithstanding any provisions of the Terms and Conditions attached hereto, in order to meet the requirements under HIPAA and the regulations promulgated thereunder, the contractor shall keep and retain adequate, accurate, and complete records of the documentation required under these provisions for a minimum of six (6) years as specified in 45 CFR Part 164.
- n. Contractor shall not directly or indirectly receive remuneration in exchange for any Protected Health Information without a valid authorization.
- o. If the contractor becomes aware of a pattern of activity or practice of the state agency that constitutes a material breach of contract regarding the state agency's obligations under the Business Associate Provisions of the contract, the contractor shall notify the state agency's Security Officer of the activity or practice and work with the state agency to correct the breach of contract.
- p. The contractor shall indemnify the state agency from any liability resulting from any violation of the Privacy Rule or Security Rule or Breach arising from the conduct or omission of the contractor or its employee(s), agent(s) or subcontractor(s). The contractor shall reimburse the state agency for any and all actual and direct costs and/or losses, including those incurred under the civil penalties implemented by legal requirements, including but not limited to HIPAA as amended by the Health Information Technology for Economic and Clinical Health Act, and including reasonable attorney's fees, which may be imposed upon the state agency under legal requirements, including but not limited to HIPAA's Administrative Simplification Rules, arising from or in connection with the contractor's negligent or wrongful actions or inactions or violations of this Agreement.

2.8.4 Obligations of the State Agency:

- a. The state agency shall notify the contractor of limitation(s) that may affect the contractor's use or disclosure of Protected Health Information, by providing the contractor with the state agency's notice of privacy practices in accordance with 45 CFR 164.520.
- b. The state agency shall notify the contractor of any changes in, or revocation of, authorization by an Individual to use or disclose Protected Health Information.
- c. The state agency shall notify the contractor of any restriction to the use or disclosure of Protected Health Information that the state agency has agreed to in accordance with 45 CFR 164.522.
- d. The state agency shall not request the contractor to use or disclose Protected Health Information in any manner that would not be permissible under HIPAA and the regulations promulgated thereunder.
- 2.8.5 Expiration/Termination/Cancellation Except as provided in the subparagraph below, upon the expiration, termination, or cancellation of the contract for any reason, the contractor shall, at the discretion of the state agency, either return to the state agency or destroy all Protected Health Information received by the contractor from the state agency, or created or received by the contractor on behalf of the state agency, and shall not retain any copies of such Protected Health Information. This provision shall also apply to Protected Health Information that is in the possession of subcontractor or agents of the contractor.
 - a. In the event the state agency determines that returning or destroying the Protected Health Information is not feasible, the contractor shall extend the protections of the contract to the Protected Health Information for as long as the contractor maintains the Protected Health Information and shall limit the

use and disclosure of the Protected Health Information to those purposes that made return or destruction of the information infeasible. If at any time it becomes feasible to return or destroy any such Protected Health Information maintained pursuant to this paragraph, the contractor must notify the state agency and obtain instructions from the state agency for either the return or destruction of the Protected Health Information.

2.8.6 Breach of Contract – In the event the contractor is in breach of contract with regard to the business associate provisions included herein, the contractor agrees that in addition to the requirements of the contract related to cancellation of contract, if the state agency determines that cancellation of the contract is not feasible, the State of Missouri may elect not to cancel the contract, but the state agency shall report the breach of contract to the Secretary of the Department of Health and Human Services.

3. PROPOSAL SUBMISSION INFORMATION

3.1 Submission of Proposals:

3.1.1 On-line Proposal - If a registered vendor is responding electronically through the MissouriBUYS System website, in addition to completing the on-line pricing, the registered vendor should submit completed exhibits, forms, and other information concerning the proposal as an attachment to the electronic proposal. The registered vendor is instructed to review the RFP submission provisions carefully to ensure they are providing all required pricing, including applicable renewal pricing. Instructions on how a registered vendor responds to a bid on-line are available on the MissouriBUYS System website at: https://missouribuys.mo.gov/bidboard.html.

- a. The exhibits, forms, and Pricing Page provided herein can be saved into a word processing document, completed by a registered vendor, and then sent as an attachment to the electronic submission. Other information requested or required may be sent as an attachment. Additional instructions for submitting electronic attachments are on the MissouriBUYS System website. Be sure to include the solicitation/opportunity (OPP) number, company name, and a contact name on any electronic attachments.
- b. In addition, a registered vendor may submit the exhibits, forms, Pricing Page, etc., through mail or courier service. However, any such submission must be received prior to the specified end date and time.
- c. If a registered vendor submits an electronic and hard copy proposal response and if such responses are not identical, the vendor should explain which response is valid. In the absence of an explanation, the State of Missouri shall consider the response which serves its best interest.
- 3.1.2 Hard Copy Proposal If the vendor is submitting a proposal via the mail or a courier service or is hand delivering the proposal, the vendor should include completed exhibits, forms, and other information concerning the proposal (including completed Pricing Pages) with the proposal. The vendor is instructed to review the RFP submission provisions carefully to ensure they are providing all required pricing, including applicable renewal pricing.
 - a. Recycled Products The State of Missouri recognizes the limited nature of our resources and the leadership role of government agencies in regard to the environment. Accordingly, the vendor is requested to print the proposal double-sided using recycled paper, if possible, and minimize or eliminate the use of non-recyclable materials such as plastic report covers, plastic dividers, vinyl sleeves, and binding. Lengthy proposals may be submitted in a notebook or binder.
 - b. The vendor should include three (3) additional copies along with their original proposal. The front cover of the original proposal should be labeled "original" and the front cover of all copies should be labeled "copy". In case of a discrepancy between the original proposal and the copies, the original proposal shall govern.
- 3.1.3 Confidential Materials: Pursuant to section 610.021, RSMo, the vendor's proposal and related documents shall not be available for public review until a contract has been awarded or all proposals are rejected.
 - a. The Division of Purchasing is a governmental body under Missouri Sunshine Law (chapter 610, RSMo). Section 610.011, RSMo, requires that all provisions be "liberally construed and their exceptions strictly construed" to promote the public policy that records are open unless otherwise provided by law.
 - b. Regardless of any claim by a vendor as to material being confidential and not subject to copying or distribution, or how a vendor characterizes any information provided in its proposal, all material submitted by the vendor in conjunction with the RFP is subject to release after the award of a contract

in relation to a request for public records under the Missouri Sunshine Law (see chapter 610, RSMo). Only information expressly permitted to be closed pursuant to the strictly construed provisions of Missouri's Sunshine Law will be treated as a closed record by the Division of Purchasing and withheld from any public request submitted to Division of Purchasing after award. The vendor should presume information provided to Division of Purchasing in a proposal will be public following the award of the contract or after rejection of all proposals and made available upon request in accordance with the provisions of state law. The vendor's sole remedy for the state's denial of any confidentiality request shall be limited to withdrawal of their proposal in its entirety.

- c. In no event will the following be considered confidential or exempt from the Missouri Sunshine Law:
 - 1) Vendor's entire proposal;
 - Vendor's pricing;
 - 3) Vendor's proposed method of performance including schedule of events and/or deliverables;
 - 4) Vendor's experience information including customer lists or references; and
 - 5) Vendor's product specifications unless specifications disclose scientific and technological innovations in which the owner has a proprietary interest (see subsection 15 of section 610.021, RSMo).
- d. On-line Proposal If a registered vendor is responding electronically through the MissouriBUYS System website and attaches information with their proposal that is allowed by the Missouri Sunshine Law to be exempt from public disclosure, such specific material of their proposal must be attached as a separate document and must have the box "Confidential" selected when attaching the document. If the "Confidential" box is not selected when attaching the document, the document must be clearly marked as confidential along with an explanation of what qualifies the specific material to be held as confidential pursuant to the provisions of section 610.021, RSMo. The vendor's failure to follow these instructions shall relieve the state of any obligation to preserve the confidentiality of the documents.
- e. Hard Copy Proposal If the vendor is submitting a proposal via the mail or a courier service or is hand delivering the proposal and submits information with their proposal that is allowed by the Missouri Sunshine Law to be exempt from public disclosure, such specific material of their proposal must be separated, sealed, and clearly marked as confidential along with an explanation of what qualifies the specific material to be held as confidential pursuant to the provisions of section 610.021, RSMo. The vendor's failure to follow this instruction shall relieve the state of any obligation to preserve the confidentiality of the documents.
- f. Imaging Ready Except for any portion of a proposal qualifying as confidential as determined by the Division of Purchasing as specified above, after a contract is executed or all proposals are rejected, all proposals are scanned into the Division of Purchasing imaging system.
 - 1) The scanned information will be available for viewing through the Internet from the Division of Purchasing Awarded Bid and Contract Document Search system. Therefore, the vendor is advised not to include any information in the proposal that the vendor does not want to be viewed by the public, including personal identifying information such as social security numbers.
 - 2) Also, in preparing a proposal, the vendor should be mindful of document preparation efforts for imaging purposes and storage capacity that will be required to image the proposal and should limit proposal content to items that provide substance, quality of content, and clarity of information.

3.1.4 To facilitate the evaluation process, the vendor is encouraged to organize their proposal into sections that correspond with the individual evaluation categories described herein. The vendor is cautioned that it is the vendor's sole responsibility to submit information related to the evaluation categories and that the State of Missouri is under no obligation to solicit such information if it is not included with the proposal. The vendor's failure to submit such information may cause an adverse impact on the evaluation of the proposal.

- a. The proposal should be page numbered.
- b. The signed page one from the original RFP and all signed addendums should be placed at the beginning of the proposal.
- c. Each section should be titled with each individual evaluation category and all material related to that category should be included therein.
- 3.1.5 Questions Regarding the RFP Except as may be otherwise stated herein, the vendor and the vendor's agents (including subcontractors, employees, consultants, or anyone else acting on their behalf) must direct all of their questions or comments regarding the RFP, the solicitation process, the evaluation, etc., to the buyer of record indicated on the first page of this RFP. Inappropriate contacts to other personnel are grounds for suspension and/or exclusion from specific procurements. Vendors and their agents who have questions regarding this matter should contact the buyer.
 - a. The buyer may be contacted via e-mail or phone as shown on the first page, or via facsimile to 573-526-9816.
 - b. Only those questions which necessitate a change to the RFP will be addressed via an addendum to the RFP. Written records of the questions and answers will not be maintained. Vendors are advised that any questions received less than ten (10) calendar days prior to the RFP opening date may not be addressed.
 - c. The vendor may contact the Office of Equal Opportunity (OEO) regarding MBE/WBE certification or subcontracting with MBE/WBE companies.
- 3.2 Competitive Negotiation of Proposals The vendor is advised that under the provisions of this Request for Proposal, the Division of Purchasing reserves the right to conduct negotiations of the proposals received or to award a contract without negotiations. If such negotiations are conducted, the following conditions shall apply:
- 3.2.1 Negotiations may be conducted in person, in writing, or by telephone.
- 3.2.2 Negotiations will only be conducted with potentially acceptable proposals. The Division of Purchasing reserves the right to limit negotiations to those proposals which received the highest rankings during the initial evaluation phase. All vendors involved in the negotiation process will be invited to submit a best and final offer.
- 3.2.3 Terms, conditions, prices, methodology, or other features of the vendor's proposal may be subject to negotiation and subsequent revision. As part of the negotiations, the vendor may be required to submit supporting financial, pricing and other data in order to allow a detailed evaluation of the feasibility, reasonableness, and acceptability of the proposal.
- 3.2.4 The mandatory requirements of the Request for Proposal shall <u>not</u> be negotiable and shall remain unchanged unless the Division of Purchasing determines that a change in such requirements is in the best interest of the State of Missouri.

3.3 Evaluation and Award Process:

3.3.1 After determining that a proposal satisfies the mandatory requirements stated in the Request for Proposal, the evaluator(s) shall use both objective analysis and subjective judgment in conducting a comparative assessment of the proposal in accordance with the evaluation criteria stated below. The contract shall be awarded to the lowest and best proposal.

Cost	90 points
Vendor's Experience and Reliability and Expertise of Personnel	40 points
Method of Performance	60 points
MBE/WBE Participation	10 points
TOTAL	200 points

- 3.3.2 After an initial screening process, a question and answer conference or interview may be conducted with the vendor, if deemed necessary by the Division of Purchasing. In addition, the vendor may be asked to make an oral presentation of their proposal during the conference. Attendance cost at the conference shall be at the vendor's expense. All arrangements and scheduling shall be coordinated by the Division of Purchasing.
- 3.3.3 The vendor shall propose to provide Laboratory Services for Drug Testing using an external data acquisition system that is either a contractor-hosted solution, or a state-hosted solution, or may propose both a contractor-hosted solution and a state-hosted solution as two separate options. If the vendor proposes both a contractor-hosted solution and a state-hosted solution, the State of Missouri will evaluate each of the hosting options separately.

3.4 Evaluation of Cost:

- 3.4.1 Pricing The vendor must provide pricing for all line items, as required on the Pricing Page, for Laboratory Services for Drug Testing using an external data acquisition system that is either (1) a contractor-hosted solution where the system and data are located at a secure site at the state agency's facility, or (2) a state-hosted solution where the state hosts the system and data on the server is located at a secure site determined by the state, or (3) may propose both a contractor-hosted solution and a state-hosted solution as two separate options.
- 3.4.2 Objective Evaluation of Cost The cost evaluation shall be based upon the sum of (1) the price per test for each drug and adulterant stated on the Pricing Page multiplied by the number of tests performed during fiscal year 2016, as stated in the Background Information section of this RFP, and (2) \$204,477.00 of tests from the vendor's price list or catalog discounted by the price list/catalog percentage discount stated on the Pricing Page. A quantity of one (1) will be used for each drug and adulterant for which a quantity of 0 (zero) was indicated for fiscal year 2016. For the contractor-hosted solution, the data transfer total price shall also be included in the evaluation of cost.
 - a. The evaluation of cost will include the original contract period and any potential renewal periods.
 - b. Cost evaluation points shall be determined from the result of the calculation stated above using the following formula:

Lowest Responsive Vendor's Price		Maximum Cost		Assigned Cost
Compared Vendor's Price	X	Evaluation points (90)	=	Points

c. The vendor shall agree and understand that the quantities used in the evaluation of cost are provided solely to document how cost will be evaluated. The State of Missouri makes no guarantee regarding

the accuracy of the quantities stated nor does the State of Missouri intend to imply that the figures used for the cost evaluation in any way reflect either actual or anticipated usage.

3.5 Evaluation of Vendor's Experience and Reliability and Expertise of Personnel:

- 3.5.1 Experience and reliability of the vendor's organization will be considered subjectively in the evaluation process. Therefore, the vendor is advised to submit information concerning the vendor's organization and information documenting the vendor's experience in past performances, especially those performances related to the requirements of this RFP. If the vendor is proposing an entity other than the vendor to perform the required services, the vendor should also submit the information requested for such proposed subcontractor.
 - a. Vendor Information The vendor should provide information about the vendor's organization on Exhibit A.
 - b. Experience The vendor should provide information related to previous and current services/contracts of the vendor or any proposed subcontractor where performance was similar to the required services of this RFP. The information may be shown on Exhibit B or in a similar manner.
 - 1) As part of the evaluation process, the State of Missouri may contact the vendor's references, including references not listed or identified within the vendor's proposal but who have current or previous experiences with the vendor.
 - The vendor shall agree and understand that the State of Missouri is not obligated to contact the vendor's references.
- 3.5.2 The qualifications of the personnel proposed by the vendor to perform the requirements of this RFP, whether from the vendor's organization or from a proposed subcontractor, will be subjectively evaluated. Therefore, the vendor should submit detailed information related to the experience and qualifications, including education and training, of proposed personnel.
 - a. Personnel Expertise The vendor should provide the information requested on Exhibit C for each key person proposed to provide the services required herein. The vendor may also submit resumes for such key personnel. If additional personnel resources are proposed to be provided, the vendor may provide information for such personnel by completing Exhibit D.
 - 1) The information should identify any relevant qualifications and experience of the person in performing services similar to the services required herein.
 - b. Personnel Qualifications If personnel are not yet hired, the vendor should provide detailed descriptions of the required employment qualifications; and detailed job descriptions of the position to be filled, including the type of person proposed to be hired.
- 3.6 Evaluation of Method of Performance Proposals will be subjectively evaluated based on the vendor's plan for performing the requirements of the RFP. Therefore, the vendor should present information which demonstrates the method or manner in which the vendor proposes to satisfy these requirements and which confirms the vendor's ability to satisfy the requirements. The language of the narrative should be straightforward and limited to facts, solutions to problems, and plans of action.
- 3.6.1 Description of Proposed Services Exhibit E is provided for the vendor's use in providing information about the proposed method of performance.
 - a. In addition, each paragraph within the Contractual Requirements from sections 2.1 through 2.6 should be thoroughly addressed by providing a description of how the vendor proposes to perform or comply with the requirement and otherwise detailing the vendor's understanding and ability to successfully perform the requirement, including the external data acquisition system solution. When

responding to the appropriate provisions in the Contractual Requirements, the vendor should identify the paragraph or subparagraph number and then provide the additional elaboration describing the vendor's plans for performing or meeting the requirement.

- 3.7 Evaluation of Vendor's Minority Business Enterprise (MBE)/ Women Business Enterprise (WBE) Participation:
- 3.7.1 In order for the Division of Purchasing (Purchasing) to meet the provisions of Executive Order 05-30, the vendor should secure participation of certified MBEs and WBEs in providing the products/services required in this RFP. The targets of participation recommended by the State of Missouri are 10% MBE and 5% WBE of the total dollar value of the contract.
 - a. These targets can be met by a qualified MBE/WBE vendor themselves and/or through the use of qualified subcontractors, suppliers, joint ventures, or other arrangements that afford meaningful opportunities for MBE/WBE participation.
 - b. The services performed or the products provided by MBE/WBEs must provide a commercially useful function related to the delivery of the contractually-required service/product in a manner that will constitute an added value to the contract and shall be performed/provided exclusive to the performance of the contract. Therefore, if the services performed or the products provided by MBE/WBEs is utilized, to any extent, in the vendor's obligations outside of the contract, it shall not be considered a valid added value to the contract and shall not qualify as participation in accordance with this clause.
 - c. In order to be considered as meeting these targets, the MBE/WBEs must be "qualified" by the proposal opening date (date the proposal is due). (See below for a definition of a qualified MBE/WBE.)
- 3.7.2 The vendor's proposed participation of MBE/WBE firms in meeting the targets of the RFP will be considered in the evaluation process as specified below:
 - a. <u>If Participation Meets Target:</u> Vendors proposing MBE and WBE participation percentages that meet the State of Missouri's target participation percentage of 10% for MBE and 5% for WBE shall be assigned the maximum stated MBE/WBE Participation evaluation points.
 - b. <u>If Participation Exceeds Target:</u> Vendors proposing MBE and WBE participation percentages that exceed the State of Missouri's target participation shall be assigned the same MBE/WBE Participation evaluation points as those meeting the State of Missouri's target participation percentages stated above.
 - c. <u>If Participation Below Target</u>: Vendors proposing MBE and WBE participation percentages that are lower than the State of Missouri's target participation percentages of 10% for MBE and 5% for WBE shall be assigned a proportionately lower number of the MBE/WBE Participation evaluation points than the maximum MBE/WBE Participation evaluation points.
 - d. <u>If No Participation</u>: Vendors failing to propose any commercially useful MBE/WBE participation shall be assigned a score of 0 in this evaluation category.
- 3.7.3 MBE/WBE Participation evaluation points shall be assigned using the following formula:

Vendor's Proposed MBE % ≤ 10% + WBE % ≤ 5% State's Target MBE % (10) + WBE % (5)	X	Maximum MBE/WBE Participation Evaluation points (10)	=	Assigned MBE/WBE Participation points
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3.7.4 If the vendor is proposing MBE/WBE participation, in order to receive evaluation consideration for MBE/WBE participation, the vendor <u>must</u> provide the following information with the proposal.

- a. Participation Commitment If the vendor is proposing MBE/WBE participation, the vendor must complete Exhibit F, Participation Commitment, by listing each proposed MBE and WBE, the committed percentage of participation for each MBE and WBE, and the commercially useful products/services to be provided by the listed MBE and WBE. If the vendor submitting the proposal is a qualified MBE and/or WBE, the vendor must include the vendor in the appropriate table on the Participation Commitment Form.
- b. Documentation of Intent to Participate The vendor must either provide a properly completed Exhibit G, Documentation of Intent to Participate Form, signed and dated no earlier than the RFP issuance date by each MBE and WBE proposed or must provide a letter of intent signed and dated no earlier than the RFP issuance date by each MBE and WBE proposed which: (1) must describe the products/services the MBE/WBE will provide and (2) should include evidence that the MBE/WBE is qualified, as defined herein (i.e., the MBE/WBE Certification Number or a copy of MBE/WBE certificate issued by the Missouri OEO). If the vendor submitting the proposal is a qualified MBE and/or WBE, the vendor is not required to complete Exhibit G, Documentation of Intent to Participate Form or provide a recently dated letter of intent.
- 3.7.5 Commitment If the vendor's proposal is awarded, the percentage level of MBE/WBE participation committed to by the vendor on Exhibit F, Participation Commitment, shall be interpreted as a contractual requirement.
- 3.7.6 Definition -- Oualified MBE/WBE:
 - a. In order to be considered a qualified MBE or WBE for purposes of this RFP, the MBE/WBE must be certified by the State of Missouri, Office of Administration, Office of Equal Opportunity (OEO) by the proposal opening date.
 - b. MBE or WBE means a business that is a sole proprietorship, partnership, joint venture, or corporation in which at least fifty-one percent (51%) of the ownership interest is held by minorities or women and the management and daily business operations of which are controlled by one or more minorities or women who own it.
 - c. Minority is defined as belonging to one of the following racial minority groups: African Americans, Native Americans, Hispanic Americans, Asian Americans, American Indians, Eskimos, Aleuts, and other groups that may be recognized by the Office of Advocacy, United States Small Business Administration, Washington, D.C.
- 3.7.7 Resources A listing of several resources that are available to assist vendors in their efforts to identify and secure the participation of qualified MBEs and WBEs is available at the website shown below or by contacting the Office of Equal Opportunity (OEO) at:

Office of Administration, Office of Equal Opportunity (OEO)
Harry S Truman Bldg., Room 630, P.O. Box 809, Jefferson City, MO 65102-0809
Phone: (877) 259-2963 or (573) 751-8130
Fax: (573) 522-8078
Web site: http://oeo.mo.gov

3.8 Miscellaneous Submittal Information:

3.8.1 Organizations for the Blind and Sheltered Workshop Preference - Pursuant to section 34.165, RSMo, and 1 CSR 40-1.050, a ten (10) bonus point preference shall be granted to vendors including products and/or services manufactured, produced or assembled by a qualified nonprofit organization for the blind

established pursuant to 41 U.S.C. sections 46 to 48c or a sheltered workshop holding a certificate of approval from the Department of Elementary and Secondary Education pursuant to section 178.920, RSMo.

- a. In order to qualify for the ten bonus points, the following conditions must be met and the following evidence must be provided:
 - 1) The vendor must either be an organization for the blind or sheltered workshop or must be proposing to utilize an organization for the blind/sheltered workshop as a subcontractor and/or supplier in an amount that must equal the greater of \$5,000 or 2% of the total dollar value of the contract for purchases not exceeding \$10 million.
 - 2) The services performed or the products provided by an organization for the blind or sheltered workshop must provide a commercially useful function related to the delivery of the contractually-required service/product in a manner that will constitute an added value to the contract and shall be performed/provided exclusive to the performance of the contract. Therefore, if the services performed or the products provided by the organization for the blind or sheltered workshop is utilized, to any extent, in the vendor's obligations outside of the contract, it shall not be considered a valid added value to the contract and shall not qualify as participation in accordance with this clause.
 - 3) If the vendor is proposing participation by an organization for the blind or sheltered workshop, in order to receive evaluation consideration for participation by the organization for the blind or sheltered workshop, the vendor must provide the following information with the proposal:
 - Participation Commitment The vendor must complete Exhibit F, Participation Commitment, by identifying the organization for the blind or sheltered workshop and the commercially useful products/services to be provided by the listed organization for the blind or sheltered workshop. If the vendor submitting the proposal is an organization for the blind or sheltered workshop, the vendor must be listed in the appropriate table on the Participation Commitment Form.
 - Documentation of Intent to Participate The vendor must either provide a properly completed Exhibit G, Documentation of Intent to Participate Form, signed and dated no earlier than the RFP issuance date by the organization for the blind or sheltered workshop proposed or must provide a recently dated letter of intent signed and dated no earlier than the RFP issuance date by the organization for the blind or sheltered workshop which: (1) must describe the products/services the organization for the blind/sheltered workshop will provide and (2) should include evidence of the organization for the blind/sheltered workshop qualifications (e.g. copy of certificate or Certificate Number for Missouri Sheltered Workshop).

NOTE: If the vendor submitting the proposal is an organization for the blind or sheltered workshop, the vendor is not required to complete Exhibit G, Documentation of Intent to Participate Form or provide a recently dated letter of intent.

b. A list of Missouri sheltered workshops can be found at the following internet address: http://dese.mo.gov/special-education/sheltered-workshops/directories

c. The websites for the Missouri Lighthouse for the Blind and the Alphapointe Association for the Blind can be found at the following internet addresses:

http://www.lhbindustries.com http://www.alphapointe.org

- d. Commitment If the vendor's proposal is awarded, the organization for the blind or sheltered workshop participation committed to by the vendor on Exhibit F, Participation Commitment, shall be interpreted as a contractual requirement.
- 3.8.2 Service-Disabled Veteran Business Enterprises (SDVEs) Pursuant to section 34.074, RSMo, and 1 CSR 40-1.050, the Division of Purchasing (Purchasing) has a goal of awarding three (3) percent of all contracts for the performance of any job or service to qualified service-disabled veteran business enterprises (SDVEs). A three (3) point bonus preference shall be granted to vendors including products and/or services manufactured, produced or assembled by a qualified SDVE.
 - a. In order to qualify for the three bonus points, the following conditions must be met and the following evidence must be provided:
 - 1) The vendor must either be an SDVE or must be proposing to utilize an SDVE as a subcontractor and/or supplier that provides at least three percent (3%) of the total contract value.
 - 2) The services performed or the products provided by the SDVE must provide a commercially useful function related to the delivery of the contractually-required service/product in a manner that will constitute an added value to the contract and shall be performed/provided exclusive to the performance of the contract. Therefore, if the services performed or the products provided by the SDVE are utilized, to any extent, in the vendor's obligations outside of the contract, it shall not be considered a valid added value to the contract and shall not qualify as participation in accordance with this clause.
 - 3) In order to receive evaluation consideration for participation by an SDVE, the vendor <u>must</u> provide the following information with the proposal:
 - Participation Commitment The vendor must complete Exhibit F, Participation Commitment, by identifying each proposed SDVE, the committed percentage of participation for each SDVE, and the commercially useful products/services to be provided by the listed SDVE. If the vendor submitting the proposal is a qualified SDVE, the vendor must be listed in the appropriate table on the Participation Commitment Form.
 - Documentation of Intent to Participate The vendor must either provide a properly completed Exhibit G, Documentation of Intent to Participate Form, signed and dated no earlier than the RFP issuance date by the SDVE or a recently dated letter of intent signed and dated no earlier than the RFP issuance date by the SDVE which: (1) must describe the products/services the SDVE will provide and (2) must include the SDV Documents described below as evidence that the SDVE is qualified, as defined herein.
 - Service-Disabled Veteran (SDV) Documents If a participating organization is an SDVE, unless previously submitted within the past five (5) years to the Purchasing, the vendor <u>must</u> provide the following Service-Disabled Veteran (SDV) documents:
 - ✓ a copy of the SDV's award letter from the Department of Veterans Affairs or a copy of the SDV's discharge paper (DD Form 214, Certificate of Release or Discharge from Active Duty); and
 - ✓ a copy of the SDV's documentation certifying disability by the appropriate federal agency responsible for the administration of veterans' affairs.

NOTE:

- a) If the vendor submitting the proposal is a qualified SDVE, the vendor must include the SDV Documents as evidence that the vendor qualifies as an SDVE. However, the vendor is not required to complete Exhibit G, Documentation of Intent to Participate Form or provide a recently dated letter of intent.
- b) If the SDVE and SDV are listed on the following internet address, the vendor is not required to provide the SDV Documents listed above. http://content.oa,mo.gov/sites/default/files/sdvelisting.pdf
- b. Commitment If awarded a contract, the SDVE participation committed to by the vendor on Exhibit F, Participation Commitment, shall be interpreted as a contractual requirement.
- c. Definition Qualified SDVE:
 - 1) SDVE is doing business as a Missouri firm, corporation, or individual or maintaining a Missouri office or place of business, not including an office of a registered agent;
 - 2) SDVE has not less than fifty-one percent (51%) of the business owned by one (1) or more service-disabled veterans (SDVs) or, in the case of any publicly-owned business, not less than fifty-one percent (51%) of the stock of which is owned by one (1) or more SDVs;
 - 3) SDVE has the management and daily business operations controlled by one (1) or more SDVs;
 - 4) SDVE has a copy of the SDV's award letter from the Department of Veterans Affairs or a copy of the SDV's discharge paper (DD Form 214, Certificate of Release or Discharge from Active Duty), and a copy of the SDV's documentation certifying disability by the appropriate federal agency responsible for the administration of veterans' affairs; and
 - 5) SDVE possesses the power to make day-to-day as well as major decisions on matters of management, policy, and operation.
- 3.8.3 Affidavit of Work Authorization and Documentation Pursuant to section 285.530, RSMo, if the vendor meets the section 285.525, RSMo, definition of a "business entity" (http://www.moga.mo.gov/statutes/C200-299/2850000525.HTM), the vendor must affirm the vendor's enrollment and participation in the E-Verify federal work authorization program with respect to the employees hired after enrollment in the program who are proposed to work in connection with the services requested herein. The vendor should complete applicable portions of Exhibit H, Business Entity Certification, Enrollment Documentation, and Affidavit of Work Authorization. The applicable portions of Exhibit H must be submitted prior to an award of a contract.
- 3.8.4 The vendor should complete and submit Exhibit I, Miscellaneous Information.
- 3.8.5 Business Compliance The vendor must be in compliance with the laws regarding conducting business in the State of Missouri. The vendor certifies by signing the signature page of this original document and any addendum signature page(s) that the vendor and any proposed subcontractors either are presently in compliance with such laws or shall be in compliance with such laws prior to any resulting contract award. The vendor shall provide documentation of compliance upon request by the Division of Purchasing. The compliance to conduct business in the state shall include, but not necessarily be limited to:
 - a. Registration of business name (if applicable) with the Secretary of State at http://sos.mo.gov/business/startBusiness.asp
 - b. Certificate of authority to transact business/certificate of good standing (if applicable)
 - c. Taxes (e.g., city/county/state/federal)

- d. State and local certifications (e.g., professions/occupations/activities)
- e. Licenses and permits (e.g., city/county license, sales permits)
- f. Insurance (e.g., worker's compensation/unemployment compensation)

The vendor should refer to the Missouri Business Portal at http://business.mo.gov for additional information.

4. PRICING PAGE

Laboratory Services for Drug Testing - The vendor shall propose Laboratory Services for Drug Testing using an external data acquisition system that is either (1) a contractor-hosted solution, or (2) a state-hosted solution, or (3) may propose both a contractor-hosted solution and a state-hosted solution as two separate options. For each hosting solution proposed, the vendor must provide a price for each of the line items for providing the services required herein in accordance with the provisions and requirements of the RFP. The vendor shall provide firm, fixed prices for the original contract period. All costs associated with providing the required services shall be included in the stated prices.

4.1 Laboratory Services for Drug Testing Using an External Data Acquisition System Hosted by the Laboratory Contractor – If the vendor is proposing Laboratory Services for Drug Testing Using an External Data Acquisition System Hosted by the Laboratory Contractor, the vendor shall provide a firm, fixed price per test for each drug and adulterant listed below. The vendor should also identify the product number for each test kit and the minimum number of tests that can be run with each kit. With the except of the data transfer costs, all costs associated with providing the required services, including shipping, shall be included in the stated prices. (UNSPSC Code: 85121810)

Line Item	Drug	Concentrati on	Product Number	Minimum Number of Tests Per Kit	Price Per Test
1	THC (100ml)	20 or 25 ng/ml	0185	1,076	\$0.25
2	THC (500ml)	50 ng/ml	0186	5,423	\$0.25
3	Cocaine (100ml)	300 ng/ml	0055	1,076	\$0.25
4	PCP (100ml)	25 ng/ml	0160	1,076	\$0.25
5	Opiate (100ml)	300 ng/ml	0135	1,076	\$0.25
6	Opiate (500ml)	2,000 ng/ml	0136	5,423	\$0.25
7	Benzodiazepines (100ml)	200 ng/ml	0039	1,076	\$0.25
8	Benzodiazepines (500ml)	300 ng/ml	0040	5,423	\$0.25
9	Amphetamines (100ml)	500 ng/ml	0017	1,076	\$0.25
1 0	Amphetamines (500ml)	1,000 ng/ml	0018	5,423	\$0.25
11	Barbiturates (100ml)	200 ng/ml	0225	1,076	\$0.25
12	Barbiturates (500ml)	300 ng/ml	0226	5,423	\$0.25
13	EtG (500ml)	1,000 ng/ml	10015893	7,676	\$0.25
14	Oxycodone (100ml)	100 ng/ml	100248	664	\$0.25
15	Oxycodone (500ml)	300 ng/ml	100249	5,423	\$0.25
Adulte					
16	Creatinine (500ml)		1797	5,870	\$0.16
17	Specific Gravity (2x500ml)		1194	5,544	\$0.16
18	Oxidants (2x500ml)		10009958	6,048	\$0.16
19	pH (2x500ml)		100054	6,048	\$0.16

Please see the complete detailed pricing information under TAB 4 for Microgenics Corporation

4.1.1 Data Transfer - The vendor must quote a total price to transfer all data back to the state upon termination, expiration, or cancellation of the contract. All costs associated with the transfer of data shall be included in the stated total price.

Item 20 No Cost	Total Price for Data Transfer
tom 20	

MGC Response to 4.1.1 Item 20

No Cost to Missouri Department of Corrections for the transfer of data should there be a termination

4.2 Laboratory Services for Drug Testing Using an External Data Acquisition System Hosted by the State

— If the vendor is proposing Laboratory Services for Drug Testing Using an External Data Acquisition

System Hosted by the State, the vendor shall provide a firm, fixed price per test for each drug and adulterant
listed below. The vendor should also identify the product number for each test kit and the minimum number

of tests that can be run with each kit. All costs associated with providing the required services, including shipping shall be included in the stated prices. (UNSPSC Code: 85121810)

Line Item	Drug	Concentration	Product Number	Minimum Number of Tests Per Kit	Price Per Test
21	THC	20 or 25 ng/ml		T	\$
22	THC	50 ng/ml			\$
23	Cocaine	300 ng/ml		1	\$
24	PCP	25 ng/ml		T'	\$
25	Opiate	300 ng/ml			\$
26	Opiate	2,000 ng/ml		<u> </u>	\$
27	Benzodiazepines	200 ng/ml			\$
28	Benzodiazepines	300 ng/ml			\$
29	Amphetamines	500 ng/ml		<u> </u>	\$
30	Amphetamines	1,000 ng/ml			\$
31	Barbiturates	200 ng/ml		T	\$
32	Barbiturates	300 ng/ml			\$
33	EtG	1,000 ng/ml			\$
34	Oxycodone	100 ng/ml		T	\$
35	Oxycodone	300 ng/ml			\$
Adult	erants				
36	Creatinine			1	\$
37	Specific Gravity				\$
38	Oxidants				\$
39	pH			<u> </u>	\$

- 4.3 Price List or Catalog The vendor shall provide a price list or catalog of tests. The price list or catalog should disclose the size of reagents, minimum number of tests per kit, and firm, fixed price per test. The firm, fixed prices must include calibrator and controls for running the reagents.
- 4.3.1 Discount Percentage The vendor shall state a firm, fixed percentage discount off the prices provided in the vendor's price list or catalog, which shall determine the actual price charged to the state agency. The vendor shall understand and agree that the percentage discount quoted must remain firm and unchanged for all potential contract periods.

Line Item 40 80 % Discount

4.4 Renewal Option Pricing - The vendor must indicate below the maximum allowable percentage of price increase or <u>guaranteed</u> minimum percentage of price decrease applicable to the above pricing for the renewal option years. If a percentage is not proposed (e.g. left blank, page not returned, etc.), the state shall have the right to execute the option at the same price(s) proposed for the original contract period. Statements such as "a percentage of the then-current price" or "consumer price index" are NOT ACCEPTABLE.

All increases or decreases shall be calculated against the *original* contract price, <u>not</u> against the previous year's price. A cumulative calculation shall not be utilized.

<u>Line</u> <u>Item</u>	Potential Renewal Period	Maximum Increase		Minimum Decrease
4 1	First Renewal Period	Original +0% Price	or	Original% Price
42	Second Renewal Period	Original +0% Price	or	Original% Price

43	Third Renewal Period	Original Price	+ _0	%	or	Original Price	-	%
44	Fourth Renewal Period	Original Price	+ _0	_%	or	Original Price	-	%

 $[\]sim$ <u>Do not</u> complete both a maximum increase and a minimum decrease for the same renewal period. \sim

EXHIBIT A

VENDOR INFORMATION

The vendor should provide the following information about the vendor's organization:

- a. Provide a brief company history, including the founding date and number of years in business as currently constituted.
- b. Describe the nature of the vendor's business, type of services performed, etc. Identify the vendor's website address, if any.
- c. Provide a list and a short summary of information regarding the vendor's current contracts.
- d. List, identify, and provide reasons for each contract/client gained and lost in the past two (2) years.

Please see the attached Microgenics Corporation Executive Summary

EXHIBIT B

CURRENT/PRIOR EXPERIENCE

The vendor should copy and complete this form documenting the vendor and any subcontractor's current/prior experience considered relevant to the services required herein. In addition, the vendor is advised that if the contact person listed for verification of services is unable to be reached during the evaluation, the listed experience may not be considered.

Please see attached Microgenics Corporation References

Vendor Name or Subcontra	ictor Name:
Refere	ence Information (Current/Prior Services Performed For:)
Name of Reference Company:	
Address of Reference Company ✓ Street Address ✓ City, State, Zip	
Reference Contact Person Information: ✓ Name ✓ Phone Number ✓ E-mail Address	
Dates of Services:	
If service/contract has terminated, specify reason:	
Dollar Value of Services	
Description of Services Performed, including: ✓ Type of service ✓ Duration of service ✓ Test kits provided	

EXHIBIT C

EXPERTISE OF KEY PERSONNEL

(Copy and complete this table for each key person proposed)

Key Personnel will remain the same. Please see the attached Microgenics Corporation Personnel Qualifications

Title of Position:S	Sales Representative
Name of Person:	Stephanie Romanek
Educational Degree (s): include college or university, major, and dates	Southern Nazarene University BA Sociology/Psychology 1992 University of Louisville MSSW 1995 Yale University School of Medicine Post Masters Fellowship 1997
License(s)/Certification(s), number(s), expiration date(s), if applicable:	
Specialized Training Completed.	Continuous Toxicology Training
Number of years' experience in area of service proposed to provide:	4 Years
Describe person's relationship to vendor. If employee, number of years. If subcontractor, describe other/past working relationships	I have worked closely with Missouri Department of Corrections for 1 year. I have assisted them in a timely manner to obtain new printers, help seek repairs and followed up on any needs of the lab.
Describe this person's responsibilities over the past 12 months.	I have worked closely with the lab to ensure all equipment was functional and that there was always product available when different size kits were needed. I checked in face to face several times over the year to see what current and future needs might be so that Thermo Fisher Scientific was continuing to provide relevant products.
Previous employer(s), positions, and dates	Bingham Child Guidance Center, Certified Social Worker 8/97-5/00 Pfizer, Sales 5/00 – 3/05 Sanofi Aventis Sales 3/05- 2/09 PRO2 Sales 6/09- 12/09 Thermo Fisher Scientific Sales 2/10- Present
Identify specific information about experience in:	Clearly identify the experience, provide dates, describe the person's role and extent of involvement in the experience
✓ Drug testing equipment, reagents, procedures	4 Years
✓ Training personnel on biochemical analyzers	
Describe the person's planned duties/role proposed herein:	Account Management

EXHIBIT D

PERSONNEL EXPERTISE SUMMARY
(Complete this Exhibit for any additional personnel not included on previous Exhibit. Resumes may also be provided)

Per	sonnel	Background and Expertise of Personnel and Planned Duties
1.	Jim Binion	Over 20 years of experience providing web-based solutions to include court case management and laboratory information systems (LIS). ACT will provide external data acquisition system (Paracelsus LIS).
2.	Greg Brannon	Over 10 years of experience providing web-based solutions to include court case management and laboratory information systems (LIS). ACT will provide external data acquisition system (Paracelsus LIS).
3.	Troy Hester	Over 20 years of experience providing management services in the Air Force and commercial space. Will manage the support services of the external data acquisition system (Paracelsus LIS).
4.	Brian Akin	Provided management/support to over 250 laboratory installs for the external data acquisition system (Paracelsus LIS).
5.	(Name) (Title) (Proposed Role/Function)	

EXHIBIT E

METHOD OF PERFORMANCE

The vendor should present a written plan for performing the requirements specified in this Request for Proposal. In presenting such information, the vendor should specifically address each of the following issues:

Please refer to the Microgenics Corporation Executive Summary and Business Proposal Included with our response.

1. Provide specific information on the vendor's proposed equipment (e.g. reagents, biochemical analyzers, water system) and describe how the vendor's proposed equipment meets the minimum requirements.

Thermo Fisher reagents, AU2700 or BA800, Aqua Solutions RODI-T2 (specification provided in original Bid)

2. Describe the vendor's proposed external data acquisition system, specifically addressing compatibility with the state agency's existing operating system, transferring the state agency's existing data, reporting capabilities, and installation and implementation.

See Attachment 2 Cloud Solution Vendor Questionnaire for details

3. Describe training methods and location of the training.
Onsite training, ABS will provide a certificate of training at the end of the training session.

4. Describe how the vendor's personnel will be trained to stay abreast of technological advances and changes in the field.

Microgenics offers periodic CEU online training. Email alerts are sent out when these are scheduled.

5. If the vendor is proposing a factory refurbished biochemical analyzer, the vendor should submit the complete history of the biochemical analyzer from the time the biochemical analyzers was put into service to the time the biochemical analyzer was removed from service prior to usage. The vendor should supply the appropriate forms that certify the factory refurbished biochemical analyzer.

ABS Response

Alternative Biomedical Solutions (ABS) will be the supplier for the biochemical analyzer proposed by the vendor (Thermo Fisher). ABS is a nationwide distributor, refurbishes, reseller and servicer of used biochemical analyzers, focused primarily on the Olympus AU product line of instruments. ABS purchases used biochemical analyzers from instrument brokers and customers across the US, for the purpose of refurbishing and reselling. Instrument history can only be tracked from the time ABS purchases the instrument from the broker or directly from a production lab.

ABS is an ISO 9001:2008 certified company, with comprehensive processes and procedures covering the refurbishment of Olympus AU chemistry analyzers, including extensive post refurbishment validation procedures to insure the instruments are operating to OEM specifications, prior to shipment. Instrument field performance metrics from our service call management system are captured, reported and analyzed by our engineering staff and management routinely, to insure all failures are evaluated for possible corrective actions, as required. Key customer satisfaction performance objectives have been established, and are measured, in parallel with phone/email customer surveys to insure the product is meeting/or exceeding customers' expectations.

Once an instrument is shipped to the customer site, the vendor, and ABS work together to install the provided biochemical analyzer, and perform a comprehensive validation protocol. Results of the onsite validation are reviewed with the customer to verify the instrument is performing to their specifications.

6. The vendor should provide the service agreement to cover all repairs, parts, and maintenance for the biochemical analyzers proposed by the vendor.

ABS Response

Alternative Biomedical Solutions (ABS) provides the vendor (Thermo Fisher) with a service contract, with terms and conditions agreeing to cover all repairs, service parts and bi-annual Preventive Maintenance, for the instrument(s) proposed for use by the vendor for Missouri Department of Corrections at no additional cost.

7. If the vendor is proposing a contractor hosted external data acquisition system, the vendor should complete Attachment 2 the Cloud Solution Vendor Questionnaire.

Attachment 2 the Cloud Solution Vendor Questionnaire completed and attached as required.

- 8. Organizational Chart The vendor should provide an organizational chart showing the staffing and lines of authority for the key personnel to be used.
 - The organizational chart should outline the team proposed for this project and the relationship of those team members to each other and to the management structure of the vendor's organization.

Tim Kitzmiller- Director of Engineering; Jason Barry- National Service Manager; Dispatch- service calls and dispatch of service; Sales Support- customer service

- 9. Along with a detailed organizational chart, the vendor should describe the following:
 - How services of the contract will be managed, controlled, and supervised in order to ensure satisfactory contract performance.

ABS guarantees a 24 hour response time should we deem that an on-site service call is needed. Our tech support personnel is available Monday-Friday 8am-5pm.

Total Personnel Resources - The vendor should provide information that documents the depth of
resources to ensure completion of all requirements on time and on target. If the vendor has other
ongoing contracts that also require personnel resources, the vendor should document how sufficient
resources will be provided to the State of Missouri.

We have a 30 day guaranteed delivery time from receipt date of PO.

- 10. Economic Impact to Missouri the vendor should describe the economic advantages that will be realized as a result of the vendor performing the required services. The vendor should respond to the following:
 - Provide a description of the proposed services that will be performed and/or the proposed products that will be provided by Missourians and/or Missouri products.

N/A

 Provide a description of the economic impact returned to the State of Missouri through tax revenue obligations.

N/A

 Provide a description of the company's economic presence within the State of Missouri (e.g., type of facilities: sales offices; sales outlets; divisions; manufacturing; warehouse; other), including Missouri employee statistics.

N/A

EXHIBIT F

PARTICIPATION COMMITMENT

Minority Business Enterprise/Women Business Enterprise (MBE/WBE) and/or Organization for the Blind/Sheltered Workshop and/or Service-Disabled Veteran Business Enterprise (SDVE) Participation Commitment – If the vendor is committing to participation by or if the vendor is a qualified MBE/WBE and/or organization for the blind/sheltered workshop and/or a qualified SDVE, the vendor must provide the required information in the appropriate table(s) below for the organization proposed and must submit the completed exhibit with the vendor's proposal.

For Minority Business Enterprise (MBE) and/or Woman Business Enterprise (WBE) Participation, if proposing an entity certified as both MBE and WBE, the vendor must either (1) enter the participation percentage under MBE or WBE, <u>or</u> must (2) divide the participation between both MBE and WBE. If dividing the participation, do not state the total participation on both the MBE and WBE Participation Commitment tables below. Instead, <u>divide</u> the total participation as proportionately appropriate between the tables below.

(The services performed or the products provided by the listed MBE must provide a commercially useful function related to the delivery of the contractually-required service/product in a manner that will constitute an added value to the contract and shall be performed/provided exclusive to the performance of the contract.)							
Name of Each Qualified Minority Business Enterprise (MBE) Proposed	Committed Percentage of Participation for Each MBE (% of the Actual Total Contract Value)	Description of Products/Services to be Provided by Listed MBE The vendor should also include the paragraph number(s) from the RFP which requires the product/service the MBE is proposed to perform and describe how the proposed product/service constitutes added value and will be exclusive to the contract.					
1. N/A	N/A%	Product/Service(s) proposed: N/A RFP Paragraph References:					
2.	%	Product/Service(s) proposed: RFP Paragraph References:					
3.	%	Product/Service(s) proposed: RFP Paragraph References:					
4.	%	Product/Service(s) proposed: RFP Paragraph References:					
Total MBE Percentage:	%						

EXHIBIT F, continued

WBE Participation Commitment Table

(The services performed or the products provided by the listed WBE must provide a commercially useful function related to the delivery of the contractually-required service/product in a manner that will constitute an added value to the contract and shall be performed/provided exclusive to the performance of the contract.)

Name of Each Qualified Women Business Enterprise (WBE) proposed	Committed Percentage of Participation for Each WBE (% of the Actual Total Contract Value)	Description of Products/Services to be Provided by Listed WBE The vendor should also include the paragraph number(s) from the RFP which requires the product/service the WBE is proposed to perform and describe how the proposed product/service constitutes added value and will be exclusive to the contract.
1. N/A	N/A %	Product/Service(s) proposed: N/A RFP Paragraph References:
2.	%	Product/Service(s) proposed: RFP Paragraph References:
3.	%	Product/Service(s) proposed: RFP Paragraph References:
4.	%	Product/Service(s) proposed: RFP Paragraph References:
Total WBE Percentage:	%	

Organization for the Blind/Sheltered Workshop Commitment Table

By completing this table, the vendor commits to the use of the organization at the greater of \$5,000 or 2% of the actual total dollar value of contract.

(The services performed or the products provided by the listed Organization for the Blind/Sheltered Workshop must provide a commercially useful function related to the delivery of the contractually-required service/product in a manner that will constitute an added value to the contract and shall be performed/provided exclusive to the performance of the contract.)

constitute an added value to the contract and shall be performed/provided exclusive to the performance of the contract.)	
Name of Organization for the Blind or Sheltered Workshop Proposed	Description of Products/Services to be Provided by Listed Organization for the Blind/Sheltered Workshop The vendor should also include the paragraph number(s) from the RFP which requires the product/service the organization for the blind/sheltered workshop is proposed to perform and describe how the proposed product/service constitutes added value and will be exclusive to the contract.
1. N/A	Product/Service(s) proposed: N/A RFP Paragraph References:
2.	Product/Service(s) proposed: RFP Paragraph References:

EXHIBIT F, continued

SDVE Participation Commitment Table

(The services performed or the products provided by the listed SDVE must provide a commercially useful function related to the delivery of the contractually-required service/product in a manner that will constitute an added value to the contract and shall be performed/provided exclusive to the performance of the contract.)

Name of Each Qualified Service- Disabled Veteran Business Enterprise (SDVE) Proposed	Committed Percentage of Participation for Each SDVE (% of the Actual Total Contract Value)	Description of Products/Services to be Provided by Listed SDVE The vendor should also include the paragraph number(s) from the RFP which requires the product/service the SDVE is proposed to perform and describe how the proposed product/service constitutes added value and will be exclusive to the contract.
1. N/A	N/A %	Product/Service(s) proposed: N/A RFP Paragraph References:
2.	%	Product/Service(s) proposed: RFP Paragraph References:
Total SDVE Percentage:	%	

EXHIBIT G

DOCUMENTATION OF INTENT TO PARTICIPATE

If the vendor is proposing to include the participation of a Minority Business Enterprise/Women Business Enterprise (MBE/WBE) and/or Organization for the Blind/Sheltered Workshop and/or qualified Service-Disabled Veteran Business Enterprise (SDVE) in the provision of the products/services required in the RFP, the vendor must either provide a recently dated letter of intent, signed and dated no earlier than the RFP issuance date, from each organization documenting the following information, or complete and provide this Exhibit with the vendor's proposal.

~ Copy This Form For Each Organization Proposed ~ Vendor Name: N/A This Section To Be Completed by Participating Organization: By completing and signing this form, the undersigned hereby confirms the intent of the named participating organization to provide the products/services identified herein for the vendor identified above. Indicate appropriate business classification(s): WBE Organization for the Blind Sheltered Workshop **SDVE** Name of Organization: (Name of MBE, WBE, Organization for the Blind, Sheltered Workshop, or SDVE) Contact Name: Email: Address (If SDVE, provide Phone #: MO Address): City: Fax #: State/Zip: Certification # SDVE's Website Certification (or attach copy of certification) Expiration Address: Date: Service-Disabled SDV's Veteran's (SDV) Name: Signature: (Please Print) PRODUCTS/SERVICES PARTICIPATING ORGANIZATION AGREED TO PROVIDE Describe the products/services you (as the participating organization) have agreed to provide:

Authorized Signature:

Authorized Signature of Participating Organization (MBE, WBE, Organization for the Blind, Sheltered Workshop, or SDVE)

Date
(Dated no earlier than the RFP issuance date)

EXHIBIT G, continued

DOCUMENTATION OF INTENT TO PARTICIPATE

SERVICE-DISABLED VETERAN BUSINESS ENTERPRISE (SDVE)

If a participating organization is an SDVE, unless the Service-Disabled Veteran (SDV) documents were previously submitted within the past five (5) years to the Division of Purchasing (Purchasing), the vendor must provide the following SDV documents:

- a copy of the SDV's award letter from the Department of Veterans Affairs or a copy of the SDV's discharge paper (DD Form 214, Certificate of Release or Discharge from Active Duty), AND
- a copy of the SDV's documentation certifying disability by the appropriate federal agency responsible

for the administration of veterans' affairs.	satisfy by the appropriate rederal agency responsible
(NOTE: The SDV's award letter, the SDV's discharge par shall be considered confidential pursuant to subsection 1	
The vendor should check the appropriate statement below	and, if applicable, provide the requested information.
☐ No, I have not previously submitted the SDV docum have enclosed the SDV documents.	nents specified above to the Purchasing and therefore
☐ Yes, I previously submitted the SDV documents s Purchasing.	pecified above within the past five (5) years to the
Date SDV Documents were Submitted:	
Previous Proposal/Contract Number for	Which the SDV Documents were Submitted:
(if applicable and known)	
(NOTE: If the proposed SDVE and SDV are listed http://content.oa.mo.gov/sites/default/files/sdvelisting.pdf , the Purchasing within the past five [5] years. However, if it has meets the requirements stated above, the Purchasing will remove	nen the SDV documents have been submitted to the been determined that an SDVE at any time no longer
FOR STATE USE ONLY SDV Documents - Verification Completed By:	
Buyer	Date

EXHIBIT H

BUSINESS ENTITY CERTIFICATION, ENROLLMENT DOCUMENTATION, AND AFFIDAVIT OF WORK AUTHORIZATION

BUSINESS ENTITY CERTIFICATION:

The vendor must certify their current business status by completing either Box A or Box B or Box C on this Exhibit.

BOX A:	To be completed by a non-business entity as defined below.
<u>BOX B</u> :	To be completed by a business entity who has not yet completed and submitted documentation
	pertaining to the federal work authorization program as described at http://www.uscis.gov/e-verify .
<u>BOX C</u> :	To be completed by a business entity who has current work authorization documentation on file

with a Missouri state agency including Division of Purchasing.

Business entity, as defined in section 285.525, RSMo, pertaining to section 285.530, RSMo, is any person or group of persons performing or engaging in any activity, enterprise, profession, or occupation for gain, benefit, advantage, or livelihood. The term "business entity" shall include but not be limited to self-employed individuals, partnerships, corporations, contractors, and subcontractors. The term "business entity" shall include any business entity that possesses a business permit, license, or tax certificate issued by the state, any business entity that is exempt by law from obtaining such a business permit, and any business entity that is operating unlawfully without such a business permit. The term "business entity" shall not include a self-employed individual with no employees or entities utilizing the services of direct sellers as defined in subdivision (17) of subsection 12 of section 288.034, RSMo.

Note: Regarding governmental entities, business entity includes Missouri schools, Missouri universities (other than stated in Box C), out of state agencies, out of state schools, out of state universities, and political subdivisions. A business entity does not include Missouri state agencies and federal government entities.

BOX A – CURRENTLY NOT A BUSINESS ENTITY		
I certify that (Company/In the definition of a business entity, as defined in section as stated above, because: (check the applicable business)	dividual Name) DOES NOT CURRENTLY MEET 1 285.525, RSMo pertaining to section 285.530, RSMo ess status that applies below)	
- I am a self-employed individual with no	employees; OR	
☐ - The company that I represent employs the services of direct sellers as defined in subdivision (17) of subsection 12 of section 288.034, RSMo.		
I certify that I am not an alien unlawfully present in the United States and if(Company/Individual Name) is awarded a contract for the services requested herein under(RFP Number) and if the business status changes during the life of the contract to become a business entity as defined in section 285.525, RSMo pertaining to section 285.530, RSMo then, prior to the performance of any services as a business entity,(Company/Individual Name) agrees to complete Box B, comply with the requirements stated in Box B and provide the Division of Purchasing with all documentation required in Box B of this exhibit.		
Authorized Representative's Name (Please Print)	Authorized Representative's Signature	
Company Name (if applicable)	Date	

EXHIBIT H, continued

(Complete the following if you DO NOT have the E-Verify documentation and a current Affidavit of Work Authorization already on file with the State of Missouri. If completing Box B, do not complete Box C.)

BOX B – CURRENT BUSINESS ENTITY STATUS				
	hatMicrogenics Corporationentity as defined in section 285.525, RSMo per	(Business Entity Name) MEETS the definition of a taining to section 285.530.		
	Kody	Jh Koly		
	orized Business Entity Representative's (Please Print)	Authorized Business Entity Representative's Signature		
inam	e (Please Print)	, ~		
Micr	rogenics Corporation	03/08/18		
	ness Entity Name	Date		
Iohu	leader@4h anns a Cahan a anns			
	.kody@thermofisher.com ail Address			
2 111	an radioss			
	As a business entity, the vendor must perform/provide each of the following. The vendor should check each to verify completion/submission of all of the following:			
Enroll and participate in the E-Verify federal work authorization program (Website: http://www.uscis.gov/e-verify ; Phone: 888-464-4218; Email: e-verify@dhs.gov) with respect to the employees hired after enrollment in the program who are proposed to work in connection with the services required herein;				
	Aì	ND		
	E-Verify federal work authorization program. Documentation shall include EITHER the E-Verify Employment Eligibility Verification page listing the vendor's name and company ID OR a page from the E-Verify Memorandum of Understanding (MOU) listing the vendor's name and the MOU signature page completed and signed, at minimum, by the vendor and the Department of Homeland Security – Verification Division. If the signature page of the MOU lists the vendor's name and company ID, then no additional pages of the MOU must be submitted;			
	Aì	ND		
□ -	Submit a completed, notarized Affidavit of W Exhibit.	ork Authorization provided on the next page of this		

EXHIBIT H, continued

AFFIDAVIT OF WORK AUTHORIZATION:

The vendor who meets the section 285.525, RSM following Affidavit of Work Authorization.	No, definition of a business entity must complete and return the
Director, CDD (Position/Title) from Corporation (Business Entity Name) is enrogauthorization program with respect to employees in connection with the services related to contract if awarded in accordance with subsection 2 of Corporation (Business Entity Name)	f Business Entity Authorized Representative) as _Sr. Finance irst being duly sworn on my oath, affirmMicrogenics olled and will continue to participate in the E-Verify federal work hired after enrollment in the program who are proposed to work (s) with the State of Missouri for the duration of the contract(s) if section 285.530, RSMo. I also affirm thatMicrogenics does not and will not knowingly employ a person who is an ed services provided under the contract(s) for the duration of the
	re true and correct. (The undersigned understands that false senalties provided under section 575.040, RSMo.)
Authorised Representative's Signature	John Kody
Authorised Representative's Signature	Printed Name
VD/Comment Managem CDD	03/08/18
VP/General Manager, CDD Title	Date
Tito	Daic
Lemail Address	889977 / CCON1872
E-Mail Address	E-Verify Company ID Number
Subscribed and sworn to before me this Mon (I) commissioned as a notary public within the Count (NAME OF STATE) And my commission (NAME OF STATE) Signature of Notary	y of <u>QQQ to da</u> State of (NAME OF COUNTY) expires on <u>Sept. (3</u> 20 (DATE)
Signature of Notary	Date ,
	·
NATALIE CHONG Notary Public - California	

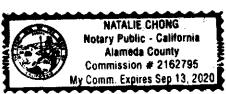


EXHIBIT H, continued

(Complete the following if you have the B-Verify documentation and a current Affidavit of Work Authorization already on file with the State of Missouri. If completing Box C, do not complete Box B.)

BOX C – AFFIDAVIT ON FILE - CURR	ENT BUSINESS ENTITY STATUS		
The state of the Point P	I BATTETOTO 41		
I certify that(Business Entity Name) MEETS the definition of a business entity as defined in section 285.525, RSMo pertaining to section 285.530, RSMo and have enrolled and currently participates in the E-Verify federal work authorization program with respect to the employees hired after enrollment in the program who are proposed to work in connection with the services related to contract(s) with the State of Missouri. We have previously provided documentation to a Missouri state agency or public university that affirms enrollment and participation in the E-Verify federal work authorization program. The documentation that was previously provided included the following.			
 ✓ The E-Verify Employment Eligibility Verification page OR a page from the E-Verify Memorandum of Understanding (MOU) listing the vendor's name and the MOU signature page completed and signed by the vendor and the Department of Homeland Security – Verification Division ✓ A current, notarized Affidavit of Work Authorization (must be completed, signed, and notarized within the past twelve months). 			
Name of Missouri State Agency or Public University* to Which Previous E-Verify Documentation Submitted: (*Public University includes the following five schools under chapter 34, RSMo: Harris-Stowe State University – St. Louis; Missouri Southern State University – Joplin; Missouri Western State University – St. Joseph; Northwest Missouri State University – Maryville; Southeast Missouri State University – Cape Girardeau.)			
Date of Previous E-Verify Documentation Submission:			
Previous Bid/Contract Number for Which Previous E-Verify Documentation Submitted:(if known)			
Authorized Business Entity Representative's Name (Please Print)	Authorized Business Entity Representative's Signature		
Business Entity Name	Date		
E-Mail Address	E-Verify MOU Company ID Number		
FOR STATE OF MISSOURI USE ONLY			
Documentation Verification Completed By:			
Buyer	Date Date		

EXHIBIT I

MISCELLANEOUS INFORMATION

<u>Outside United States</u>: If any products and/or services offered under this RFP are being manufactured or performed at sites outside the United States, the vendor MUST disclose such fact and provide details in the space below or on an attached page.

		
Are any of the vendor's proposed products and/or services being manufactured or performed at sites outside the United States?	Yes	No _X
If YES, do the proposed products/services satisfy the conditions		
described in section 4, subparagraphs 1, 2, 3, and 4 of Executive Order		
04-09? (see the following web link:	Yes	No
http://s1.sos.mo.gov/CMSImages/Library/Reference/Orders/2004/eo		
<u>04_009.pdf</u>)		
If YES, mark the appropriate exemption below, and provide the reques	sted details:	
1 Unique good or service.		
• EXPLAIN:		
2 Foreign firm hired to market Missouri services/products to a foreign country.		
Identify foreign country:		
3 Economic cost factor exists		
• EXPLAIN:		
4Vendor/subcontractor maintains significant business presence in the United States and only performs		
trivial portion of contract work outside US.		
Identify maximum percentage of the overall value of the contract, for any contract period,		
attributed to the value of the products and/or services being manufactured or performed at sites		
outside the United States: %		
 Specify what contract work would be performed outside the 	ne United States:	
		

Employee/Conflict of Interest:

subdivision thereof, serving in an executive or administrative 105.450 to 105.458, RSMo, regarding conflict of interest. I organization is currently an elected or appointed official or a political subdivision thereof, please provide the following in	re capacity, must comply with sections f the vendor or any owner of the vendor's an employee of the State of Missouri or any
Name and title of elected or appointed official or	normation.
employee of the State of Missouri or any political subdivision thereof:	N/A
If employee of the State of Missouri or political	
subdivision thereof, provide name of state agency or political subdivision where employed:	N/A
Percentage of ownership interest in vendor's organization held by elected or appointed official or employee of the State of Missouri or political subdivision thereof:	N/A%

EXHIBIT I, continued

Registration of Business Name (if applicable) with the Missouri Secretary of State: The vendor should indicate the vendor's charter number and company name with the Missouri Secretary of State. Additionally, the vendor should provide proof of the vendor's good standing status with the Missouri Secretary of State. If the vendor is exempt from registering with the Missouri Secretary of State pursuant to section 351.572, RSMo., identify the specific section of 351.572 RSMo., which supports the exemption.

Charter Number (if applicable)	Company Name N/A
If exempt from registering with the Misso	uri Secretary of State pursuant to section 351.572 RSMo., identify the
section of 351.572 to support the exemption	d

Attachments #1-2

Attachments #1-2 are separate links that must be downloaded separately from the MissouriBUYS Statewide eProcurement System at: https://missouribuys.mo.gov/bidboard.html.

STATE OF MISSOURI DIVISION OF PURCHASING TERMS AND CONDITIONS - REQUEST FOR PROPOSAL

1. TERMINOLOGY/DEFINITIONS

Whenever the following words and expressions appear in a Request for Proposal (RFP) document or any addendum thereto, the definition or meaning described below shall apply.

- a. <u>Agency and/or State Agency</u> means the statutory unit of state government in the State of Missouri for which the equipment, supplies, and/or services are being purchased by the **Division of Purchasing (Purchasing)**. The agency is also responsible for payment.
- Addendum means a written, official modification to an RFP.
- c. Amendment means a written, official modification to a contract.
- d. <u>Attachment</u> applies to all forms which are included with an RFP to incorporate any informational data or requirements related to the performance requirements and/or specifications.
- e. Proposal End Date and Time and similar expressions mean the exact deadline required by the RFP for the receipt of sealed proposals.
- f. <u>Vendor</u> means the supplier, offeror, person, or organization that responds to an RFP by submitting a proposal with prices to provide the equipment, supplies, and/or services as required in the RFP document.
- g. Buver means the procurement staff member of Purchasing. The Contact Person as referenced herein is usually the Buyer.
- h. Contract means a legal and binding agreement between two or more competent parties, for a consideration for the procurement of equipment, supplies, and/or services.
- i. Contractor means a supplier, offeror, person, or organization who is a successful vendor as a result of an RFP and who enters into a contract.
- j. Exhibit applies to forms which are included with an RFP for the vendor to complete and submit with the sealed proposal prior to the specified end date and time.
- k. Request for Proposal (RFP) means the solicitation document issued by Purchasing to potential vendors for the purchase of equipment, supplies, and/or services as described in the document. The definition includes these Terms and Conditions as well as all Pricing Pages, Exhibits, Attachments, and Addendums thereto.
- 1. May means that a certain feature, component, or action is permissible, but not required.
- m. Must means that a certain feature, component, or action is a mandatory condition.
- n. <u>Pricing Page(s)</u> applies to the form(s) on which the vendor must state the price(s) applicable for the equipment, supplies, and/or services required in the RFP. The pricing pages must be completed and submitted by the vendor with the sealed proposal prior to the specified proposal end date and time.
- o. RSMo (Revised Statutes of Missouri) refers to the body of laws enacted by the Legislature which govern the operations of all agencies of the State of Missouri. Chapter 34 of the statutes is the primary chapter governing the operations of Purchasing.
- Shall has the same meaning as the word must.
- q. Should means that a certain feature, component and/or action is desirable but not mandatory.

2. APPLICABLE LAWS AND REGULATIONS

- a. The contract shall be construed according to the laws of the State of Missouri. The contractor shall comply with all local, state, and federal laws and regulations related to the performance of the contract to the extent that the same may be applicable.
- b. To the extent that a provision of the contract is contrary to the Constitution or laws of the State of Missouri or of the United States, the provisions shall be void and unenforceable. However, the balance of the contract shall remain in force between the parties unless terminated by consent of both the contractor and Purchasing.
- c. The contractor must be registered and maintain good standing with the Secretary of State of the State of Missouri and other regulatory agencies, as may be required by law or regulations.
- d. The contractor must timely file and pay all Missouri sales, withholding, corporate and any other required Missouri tax returns and taxes, including interest and additions to tax.
- e. The exclusive venue for any legal proceeding relating to or arising out of the RFP or resulting contract shall be in the Circuit Court of Cole County, Missouri.
- f. The contractor shall only employ personnel authorized to work in the United States in accordance with applicable federal and state laws and Executive Order 07-13 for work performed in the United States.

3. OPEN COMPETITION/REQUEST FOR PROPOSAL DOCUMENT

- a. It shall be the vendor's responsibility to ask questions, request changes or clarification, or otherwise advise Purchasing if any language, specifications or requirements of an RFP appear to be ambiguous, contradictory, and/or arbitrary, or appear to inadvertently restrict or limit the requirements stated in the RFP to a single source. Any and all communication from vendors regarding specifications, requirements, competitive proposal process, etc., must be directed to the buyer from Purchasing, unless the RFP specifically refers the vendor to another contact. Such e-mail, fax, or phone communication should be received at least ten calendar days prior to the official proposal end date.
- b. Every attempt shall be made to ensure that the vendor receives an adequate and prompt response. However, in order to maintain a fair and equitable procurement process, all vendors will be advised, via the issuance of an addendum to the RFP, of any relevant or pertinent information related to the procurement. Therefore, vendors are advised that unless specified elsewhere in the RFP, any questions received less than ten calendar days prior to the RFP end date may not be answered.
- c. Vendors are cautioned that the only official position of the State of Missouri is that which is issued by Purchasing in the RFP or an addendum thereto. No other means of communication, whether oral or written, shall be construed as a formal or official response or statement.
- d. Purchasing monitors all procurement activities to detect any possibility of deliberate restraint of competition, collusion among vendors, price-fixing by vendors, or any other anticompetitive conduct by vendors which appears to violate state and federal antitrust laws. Any suspected violation shall be referred to the Missouri Attorney General's Office for appropriate action.
- e. The RFP is available for viewing and downloading on the MissouriBUYS Statewide eProcurement System. Registered vendors are electronically notified of those proposal opportunities that match the commodity codes for which the vendor registered in MissouriBUYS. If a registered vendor's e-mail address is incorrect, the vendor must update the e-mail address themselves on the state's MissouriBUYS Statewide eProcurement System at https://missouribuys.mo.gov/.
- f. Purchasing reserves the right to officially amend or cancel an RFP after issuance. It shall be the sole responsibility of the vendor to monitor the MissouriBUYS Statewide eProcurement System to obtain a copy of the addendum(s). Registered vendors who received e-mail notification of the proposal opportunity when the RFP was established and registered vendors who have responded to the RFP on-line prior to an addendum being issued should receive e-mail notification of the addendum(s). Registered vendors who received e-mail notification of the proposal opportunity when the RFP was

established and registered vendors who have responded to the proposal on-line prior to a cancellation being issued should receive e-mail notification of a cancellation issued prior to the exact end date and time specified in the RFP.

4. PREPARATION OF PROPOSALS

- a. Vendors must examine the entire RFP carefully. Failure to do so shall be at the vendor's risk.
- b. Unless otherwise specifically stated in the RFP, all specifications and requirements constitute minimum requirements. All proposals must meet or exceed the stated specifications and requirements.
- c. Unless otherwise specifically stated in the RFP, any manufacturer names, trade names, brand names, information and/or catalog numbers listed in a specification and/or requirement are for informational purposes only and are not intended to limit competition. The vendor may offer any brand which meets or exceeds the specification for any item, but must state the manufacturer's name and model number for any such brands in the proposal. In addition, the vendor shall explain, in detail, (1) the reasons why the proposed equivalent meets or exceeds the specifications and/or requirements and (2) why the proposed equivalent should not be considered an exception thereto. Proposals which do not comply with the requirements and specifications are subject to rejection without clarification.
- d. Proposals lacking any indication of intent to offer an alternate brand or to take an exception shall be received and considered in complete compliance with the specifications and requirements as listed in the RFP.
- e. In the event that the vendor is an agency of state government or other such political subdivision which is prohibited by law or court decision from complying with certain provisions of an RFP, such a vendor may submit a proposal which contains a list of statutory limitations and identification of those prohibitive clauses. The vendor should include a complete list of statutory references and citations for each provision of the RFP, which is affected by this paragraph. The statutory limitations and prohibitive clauses may (1) be requested to be clarified in writing by Purchasing or (2) be accepted without further clarification if the statutory limitations and prohibitive clauses are deemed acceptable by Purchasing. If Purchasing determines clarification of the statutory limitations and prohibitive clauses is necessary, the clarification will be conducted in order to agree to language that reflects the intent and compliance of such law and/or court order and the RFP.
- f. All equipment and supplies offered in a proposal must be new, of current production, and available for marketing by the manufacturer unless the RFP clearly specifies that used, reconditioned, or remanufactured equipment and supplies may be offered.
- g. Prices shall include all packing, handling and shipping charges FOB destination, freight prepaid and allowed unless otherwise specified in the RFP.
- h. Proposals, including all prices therein, shall remain valid for 90 days from proposal opening or Best and Final Offer (BAFO) submission unless otherwise indicated. If the proposal is accepted, the entire proposal, including all prices, shall be firm for the specified contract period.
- i. Any foreign vendor not having an Employer Identification Number assigned by the United States Internal Revenue Service (IRS) must submit a completed IRS Form W-8 prior to or with the submission of their proposal in order to be considered for award.

5. SUBMISSION OF PROPOSALS

- a. Registered vendors may submit proposals electronically through the MissouriBUYS Statewide eProcurement System at https://missouribuys.mo.gov/ or by delivery of a hard copy to the Purchasing office. Vendors that have not registered on the MissouriBUYS Statewide eProcurement System may submit proposals hard copy delivered to the Purchasing office. Delivered proposals must be sealed in an envelope or container, and received in the Purchasing office located at 301 West High St, Rm 630 in Jefferson City, MO no later than the exact end date and time specified in the RFP. All proposals must (1) be submitted by a duly authorized representative of the vendor's organization, (2) contain all information required by the RFP, and (3) be priced as required. Hard copy proposals may be mailed to the Purchasing post office box address. However, it shall be the responsibility of the vendor to ensure their proposal is in the Purchasing office (address listed above) no later than the exact end date and time specified in the RFP.
- b. The sealed envelope or container containing a proposal should be clearly marked on the outside with (1) the official RFP number and (2) the official end date and time. Different proposals should not be placed in the same envelope, although copies of the same proposal may be placed in the same envelope.
- c. A proposal submitted electronically by a registered vendor may be modified on-line prior to the official end date and time. A proposal which has been delivered to the Purchasing office may be modified by signed, written notice which has been received by Purchasing prior to the official end date and time specified. A proposal may also be modified in person by the vendor or its authorized representative, provided proper identification is presented before the official end date and time. Telephone or telegraphic requests to modify a proposal shall not be honored.
- d. A proposal submitted electronically by a registered vendor may be retracted on-line prior to the official end date and time. A proposal which has been delivered to the Purchasing may only be withdrawn by a signed, written document on company letterhead transmitted via mail, e-mail, or facsimile which has been received by Purchasing prior to the official end and time specified. A proposal may also be withdrawn in person by the vendor or its authorized representative, provided proper identification is presented before the official end date and time. Telephone or telegraphic requests to withdraw a proposal shall not be honored.
- e. A proposal may also be withdrawn after the proposal opening through submission of a written request by an authorized representative of the vendor.

 Justification of withdrawal decision may include a significant error or exposure of proposal information that may cause irreparable harm to the vendor.
- f. When submitting a proposal electronically, the registered vendor indicates acceptance of all RFP requirements, terms and conditions by clicking on the "Accept" button on the Overview tab. Vendors delivering a hard copy proposal to Purchasing must sign and return the RFP cover page or, if applicable, the cover page of the last addendum thereto in order to constitute acceptance by the vendor of all RFP requirements, terms and conditions. Failure to do so may result in rejection of the proposal unless the vendor's full compliance with those documents is indicated elsewhere within the vendor's response.
- g. Faxed proposals shall not be accepted. However, faxed and e-mail no-bid notifications shall be accepted.

6. PROPOSAL OPENING

- a. Proposal openings are public on the end date and at the opening time specified on the RFP document. Only the names of the respondents shall be read at the proposal opening. All vendors may view the same proposal response information on the MissouriBUYS Statewide eProcurement System. The contents of the responses shall not be disclosed at this time.
- b. Proposals which are not received in the Purchasing office prior to the official end date and time shall be considered late, regardless of the degree of lateness, and normally will not be opened. Late proposals may only be opened under extraordinary circumstances in accordance with 1 CSR 40-1.050.

7. PREFERENCES

- In the evaluation of proposals, preferences shall be applied in accordance with chapter 34, RSMo, other applicable Missouri statutes, and applicable Executive Orders. Contractors should apply the same preferences in selecting subcontractors.
- b. By virtue of statutory authority, a preference will be given to materials, products, supplies, provisions and all other articles produced, manufactured, mined, processed or grown within the State of Missouri and to all firms, corporations or individuals doing business as Missouri firms, corporations or individuals. Such preference shall be given when quality is equal or better and delivered price is the same or less.

 In accordance with Executive Order 05-30, contractors are encouraged to utilize certified minority and women-owned businesses in selecting subcontractors.

8. EVALUATION/AWARD

- a. Any clerical error, apparent on its face, may be corrected by the buyer before contract award. Upon discovering an apparent clerical error, the buyer shall contact the vendor and request clarification of the intended proposal. The correction shall be incorporated in the notice of award. Examples of apparent clerical errors are: 1) misplacement of a decimal point; and 2) obvious mistake in designation of unit.
- b. Any pricing information submitted by a vendor shall be subject to evaluation if deemed by Purchasing to be in the best interest of the State of Missouri.
- c. The vendor is encouraged to propose price discounts for prompt payment or propose other price discounts that would benefit the State of Missouri. However, unless otherwise specified in the RFP, pricing shall be evaluated at the maximum potential financial liability to the State of Missouri.
- d. Awards shall be made to the vendor whose proposal (1) complies with all mandatory specifications and requirements of the RFP and (2) is the lowest and best proposal, considering price, responsibility of the vendor, and all other evaluation criteria specified in the RFP and any subsequent negotiations and (3) complies with chapter 34, RSMo, other applicable Missouri statutes, and all applicable Executive Orders.
- e. In the event all vendors fail to meet the same mandatory requirement in an RFP, Purchasing reserves the right, at its sole discretion, to waive that requirement for all vendors and to proceed with the evaluation. In addition, Purchasing reserves the right to waive any minor irregularity or technicality found in any individual proposal.
- Purchasing reserves the right to reject any and all proposals.
- g. When evaluating a proposal, the State of Missouri reserves the right to consider relevant information and fact, whether gained from a proposal, from a yendor, from yendor's references, or from any other source.
- h. Any information submitted with the proposal, regardless of the format or placement of such information, may be considered in making decisions related to the responsiveness and merit of a proposal and the award of a contract.
- Negotiations may be conducted with those vendors who submit potentially acceptable proposals. Proposal revisions may be permitted for the purpose of obtaining best and final offers. In conducting negotiations, there shall be no disclosure of any information submitted by competing vendors.
- j. Any award of a contract shall be made by notification from Purchasing to the successful vendor. Purchasing reserves the right to make awards by item, group of items, or an all or none basis. The grouping of items awarded shall be determined by Purchasing based upon factors such as item similarity, location, administrative efficiency, or other considerations in the best interest of the State of Missouri.
- k. Pursuant to section 610.021, RSMo, proposals and related documents shall not be available for public review until after a contract is executed or all proposals are rejected.
- Purchasing posts all proposal results on the MissouriBUYS Statewide eProcurement System for all vendors to view for a reasonable period after proposal award and maintains images of all proposal file material for review. Vendors who include an e-mail address with their proposal will be notified of the award results via e-mail.
- m. Purchasing reserves the right to request clarification of any portion of the vendor's response in order to verify the intent of the vendor. The vendor is cautioned, however, that its response may be subject to acceptance or rejection without further clarification.
- Any proposal award protest must be received within ten (10) business days after the date of award in accordance with the requirements of 1 CSR 40-1.050 (9).
- o. The final determination of contract(s) award shall be made by Purchasing.

9. CONTRACT/PURCHASE ORDER

- a. By submitting a proposal, the vendor agrees to furnish any and all equipment, supplies and/or services specified in the RFP, at the prices quoted, pursuant to all requirements and specifications contained therein.
- b. A binding contract shall consist of: (1) the RFP, addendums thereto, and any Best and Final Offer (BAFO) request(s) with RFP changes/additions, (2) the contractor's proposal including any contractor BAFO response(s), (3) clarification of the proposal, if any, and (4) Purchasing's acceptance of the proposal by "notice of award" or by "purchase order." All Exhibits and Attachments included in the RFP shall be incorporated into the contract by reference.
- c. A notice of award issued by the State of Missouri does not constitute an authorization for shipment of equipment or supplies or a directive to proceed with services. Before providing equipment, supplies and/or services for the State of Missouri, the contractor must receive a properly authorized purchase order or other form of authorization given to the contractor at the discretion of the state agency.
- d. The contract expresses the complete agreement of the parties and performance shall be governed solely by the specifications and requirements contained therein. Any change to the contract, whether by modification and/or supplementation, must be accomplished by a formal contract amendment signed and approved by and between the duly authorized representative of the contractor and Purchasing or by a modified purchase order prior to the effective date of such modification. The contractor expressly and explicitly understands and agrees that no other method and/or no other document, including correspondence, acts, and oral communications by or from any person, shall be used or construed as an amendment or modification to the contract.

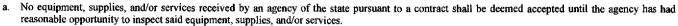
10. INVOICING AND PAYMENT

- a. The State of Missouri does not pay state or federal taxes unless otherwise required under law or regulation.
- b. The statewide financial management system has been designed to capture certain receipt and payment information. For each purchase order received, an invoice must be submitted that references the purchase order number and must be itemized in accordance with items listed on the purchase order. Failure to comply with this requirement may delay processing of invoices for payment.
- c. The contractor shall not transfer any interest in the contract, whether by assignment or otherwise, without the prior written consent of Purchasing.
- d. Payment for all equipment, supplies, and/or services required herein shall be made in arrears unless otherwise indicated in the RFP.
- e. The State of Missouri assumes no obligation for equipment, supplies, and/or services shipped or provided in excess of the quantity ordered. Any unauthorized quantity is subject to the state's rejection and shall be returned at the contractor's expense.
- f. All invoices for equipment, supplies, and/or services purchased by the State of Missouri shall be subject to late payment charges as provided in section 34.055, RSMo.
- g. The State of Missouri reserves the right to purchase goods and services using the state purchasing card.

11. DELIVERY

Time is of the essence. Deliveries of equipment, supplies, and/or services must be made no later than the time stated in the contract or within a reasonable period of time, if a specific time is not stated.

12. INSPECTION AND ACCEPTANCE



b. All equipment, supplies, and/or services which do not comply with the specifications and/or requirements or which are otherwise unacceptable or defective may be rejected. In addition, all equipment, supplies, and/or services which are discovered to be defective or which do not conform to any warranty of the contractor upon inspection (or at any later time if the defects contained were not reasonably ascertainable upon the initial inspection) may be rejected.

- c. The State of Missouri reserves the right to return any such rejected shipment at the contractor's expense for full credit or replacement and to specify a reasonable date by which replacements must be received.
- d. The State of Missouri's right to reject any unacceptable equipment, supplies, and/or services shall not exclude any other legal, equitable or contractual remedies the state may have.

13. WARRANTY

a. The contractor expressly warrants that all equipment, supplies, and/or services provided shall: (1) conform to each and every specification, drawing, sample or other description which was furnished to or adopted by Purchasing, (2) be fit and sufficient for the purpose expressed in the RFP, (3) be merchantable, (4) be of good materials and workmanship, and (5) be free from defect.

b. Such warranty shall survive delivery and shall not be deemed waived either by reason of the state's acceptance of or payment for said equipment, supplies, and/or services.

14. CONFLICT OF INTEREST

- a. Elected or appointed officials or employees of the State of Missouri or any political subdivision thereof, serving in an executive or administrative capacity, must comply with sections 105.452 and 105.454, RSMo, regarding conflict of interest,
- b. The contractor hereby covenants that at the time of the submission of the proposal the contractor has no other contractual relationships which would create any actual or perceived conflict of interest. The contractor further agrees that during the term of the contract neither the contractor nor any of its employees shall acquire any other contractual relationships which create such a conflict.

15. REMEDIES AND RIGHTS

- a. No provision in the contract shall be construed, expressly or implied, as a waiver by the State of Missouri of any existing or future right and/or remedy available by law in the event of any claim by the State of Missouri of the contractor's default or breach of contract.
- b. The contractor agrees and understands that the contract shall constitute an assignment by the contractor to the State of Missouri of all rights, title and interest in and to all causes of action that the contractor may have under the antitrust laws of the United States or the State of Missouri for which causes of action have accrued or will accrue as the result of or in relation to the particular equipment, supplies, and/or services purchased or procured by the contractor in the fulfillment of the contract with the State of Missouri.

16. CANCELLATION OF CONTRACT

- a. In the event of material breach of the contractual obligations by the contractor, Purchasing may cancel the contract. At its sole discretion, Purchasing may give the contractor an opportunity to cure the breach or to explain how the breach will be cured. The actual cure must be completed within no more than 10 working days from notification, or at a minimum the contractor must provide Purchasing within 10 working days from notification a written plan detailing how the contractor intends to cure the breach.
- b. If the contractor fails to cure the breach or if circumstances demand immediate action, Purchasing will issue a notice of cancellation terminating the contract immediately. If it is determined Purchasing improperly cancelled the contract, such cancellation shall be deemed a termination for convenience in accordance with the contract.
- c. If Purchasing cancels the contract for breach, Purchasing reserves the right to obtain the equipment, supplies, and/or services to be provided pursuant to the contract from other sources and upon such terms and in such manner as Purchasing deems appropriate and charge the contractor for any additional costs incurred thereby.
- d. The contractor understands and agrees that funds required to fund the contract must be appropriated by the General Assembly of the State of Missouri for each fiscal year included within the contract period. The contract shall not be binding upon the state for any period in which funds have not been appropriated, and the state shall not be liable for any costs associated with termination caused by lack of appropriations.

17. COMMUNICATIONS AND NOTICES

Any notice to the vendor/contractor shall be deemed sufficient when deposited in the United States mail postage prepaid, transmitted by facsimile, transmitted by e-mail or hand-carried and presented to an authorized employee of the vendor/contractor.

18. BANKRUPTCY OR INSOLVENCY

- a. Upon filing for any bankruptcy or insolvency proceeding by or against the contractor, whether voluntary or involuntary, or upon the appointment of a receiver, trustee, or assignee for the benefit of creditors, the contractor must notify Purchasing immediately.
- b. Upon learning of any such actions, Purchasing reserves the right, at its sole discretion, to either cancel the contract or affirm the contract and hold the contractor responsible for damages.

19. INVENTIONS, PATENTS AND COPYRIGHTS

The contractor shall defend, protect, and hold harmless the State of Missouri, its officers, agents, and employees against all suits of law or in equity resulting from patent and copyright infringement concerning the contractor's performance or products produced under the terms of the contract.

20. NON-DISCRIMINATION AND AFFIRMATIVE ACTION

In connection with the furnishing of equipment, supplies, and/or services under the contract, the contractor and all subcontractors shall agree not to discriminate against recipients of services or employees or applicants for employment on the basis of race, color, religion, national origin, sex, age, disability, or veteran status unless otherwise provided by law. If the contractor or subcontractor employs at least 50 persons, they shall have and maintain an affirmative action program which shall include:

- a. A written policy statement committing the organization to affirmative action and assigning management responsibilities and procedures for evaluation and dissemination:
- b. The identification of a person designated to handle affirmative action;
- c. The establishment of non-discriminatory selection standards, objective measures to analyze recruitment, an upward mobility system, a wage and salary structure, and standards applicable to layoff, recall, discharge, demotion, and discipline;
- d. The exclusion of discrimination from all collective bargaining agreements; and
- e. Performance of an internal audit of the reporting system to monitor execution and to provide for future planning.

If discrimination by a contractor is found to exist, Purchasing shall take appropriate enforcement action which may include, but not necessarily be limited to, cancellation of the contract, suspension, or debarment by Purchasing until corrective action by the contractor is made and ensured, and referral to the Attorney General's Office, whichever enforcement action may be deemed most appropriate.

21. AMERICANS WITH DISABILITIES ACT

In connection with the furnishing of equipment, supplies, and/or services under the contract, the contractor and all subcontractors shall comply with all applicable requirements and provisions of the Americans with Disabilities Act (ADA).

22. FILING AND PAYMENT OF TAXES

The commissioner of administration and other agencies to which the state purchasing law applies shall not contract for goods or services with a vendor if the vendor or an affiliate of the vendor makes sales at retail of tangible personal property or for the purpose of storage, use, or consumption in this state but fails to collect and properly pay the tax as provided in chapter 144, RSMo. For the purposes of this section, "affiliate of the vendor" shall mean any person or entity that is controlled by or is under common control with the vendor, whether through stock ownership or otherwise. Therefore the vendor's failure to maintain compliance with chapter 144, RSMo, may eliminate their proposal from consideration for award.

23. TITLES

Titles of paragraphs used herein are for the purpose of facilitating reference only and shall not be construed to infer a contractual construction of language.

Revised 10-19-15



INTERNATIONAL QUALITY STANDARD ASSESSMENT, CERTIFICATION AND TRAINING FOR SMALL AND MEDIUM SIZE ENTERPRISES





CERTIFICATE OF CONFORMITY

ISO 9001:2008

The documented quality management system of the organization named below, and its implementation, was assessed by PQA international on the date stated below as compliant with the requirements of ISO 9901:2008. Certification has been approved by PQA international's Certification Board.

Certificate number: 0029108

Date of issue: 4 Nov 2015

Certified since: 17 October 2012

Recertification due: 30 Sept 2018

Alternative Biomedical Solutions 2412 Arbuckle Court Dallas, TX 75229

Signed on behalf of PQA International's Certification Board

Chairman of Board

Certification Scheme Manager

Joanne M Calley

The scope of Alternative Biomedical Solutions' certification is: Distribution, refurbishment, Installation and servicing of chemistry analyzers, and support services, excluding new product design and development—as described in their quality manual, processes and procedures. This certification is in respect of those activities audited on the above date and recorded on the assessment documentation.

Certification has been approved by PQA International's Certification Board and will be revalidated annually by means of further surveillance assessments and related documentation. This certificate has a validity of 3 years from the issue date until re-certification is due, subject to satisfactory annual maintenance assessments, and remains the property of PQA International, in accordance with the terms and conditions.

This certificate is authorized for issue by ASCBE Ltd who have assessed PQA International as a System Assessment Body for compliance with ISO 17021:2006 "Conformity Assessment - Requirements for bodies providing audit and certification of management systems" under a unilateral arrangement with participants as

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY) 04/12/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services Northeast, Inc. Boston MA Office	CONTACT NAME: PHONE A/C. No. Ext : (866) 283-7122)105
One Federal Street Boston MA 02110 USA	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	NAIC#
INSURED	INSURER A: Travelers Property Cas Co of America	25674
Microgenics Corporation	INSURER B: ACE American Insurance Company	22667
Thermo Fisher Scientific Inc 146500 Kato Road	INSURER C: ACE Property & Casualty Insurance Co.	20699
Fremont CA 94538 USA	INSURER D:	T
	INSURER E:	
	INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 570066123348

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Limits shown are as requeste

Limits shown are as requested POLICY FE TYPE OF INSURANCE POLICY NUMBER LIMITS MM/DD/YYYY) (MM/DD/YYY 07/01/2016 07/01/201 G23866948007 \$2,000,000 COMMERCIAL GENERAL LIABILITY EACH OCCURRENCE Y SIR applies per policy terms & conditions DAMAGE TO RENTED \$1,000,000 CLAIMS-MADE X OCCUR PREMISES (Ea occurrence) \$10,000 MED EXP (Any one person) \$2,000,000 PERSONAL & ADV INJURY \$4,000,000 GEN'L AGGREGATE LIMIT APPLIES PER: GENERAL AGGREGATE LOC \$4,000,000 POLICY PRO-JECT PRODUCTS - COMP/OP AGG OTHER: TC2J-CAP-7439L260-TIL-16 07/01/2016 07/01/2017 COMBINED SINGLE LIMIT AUTOMOBILE LIABILITY \$2,000,000 (Ea accident) BODILY INJURY (Per person) ANY AUTO BODILY INJURY (Per accident) OWNED SCHEDULED AUTOS ONLY AUTOS PROPERTY DAMAGE NON-OWNED HIRED AUTOS (Per accident) AUTOS ONLY 07/01/2016 07/01/2017 EACH OCCURRENCE 110.000,000 c Y00c28133613001 UMBRELLA LIAB x OCCUR \$10,000,000 AGGREGATE EXCESS LIAB CLAIMS-MADE DED RETENTION WORKERS COMPENSATION AND TC2JUB121D764716 07/01/2016 07/01/201 X PER STATUTE aTH EMPLOYERS' LIABILITY EMPLUYERS CLABILITY
ANY PROPRIETOR / PARTNER / EXECUTIVE
OFFICERMEMBER EXCLUDED?
(Mandatory in NH)
If yes, describe under
DESCRIPTION OF OPERATIONS below \$1,000,000 E.L. EACH ACCIDENT Ν N/A E.L. DISEASE-EA EMPLOYEE \$1,000,000 \$1,000,000 E.L. DISEASE-POLICY LIMIT

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
RE: Solicitation/Opportunity (Opp) No.: RFP S30034901700921, Req. No.: NR 931 YYY16708410, Laboratory Services for Drug
Testing.

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY DEPONISIONS

AUTHORIZED REPRESENTATIVE

Department of Corrections Toxicology Laboratory 689 Highway O Fulton MO 65251 USA

Aon Prish Services Northeast, Inc.



Welcome

Contracts Admin Contracts Admin

Company

Microgenics Corporation

User ID

≡ MENU CCON1872

Company Information

Company Name

Microgenics Corporation

Company ID Number

889988

Doing Business As (DBA) Name Thermo Fisher Scientific

DUNS Number 122153799

Physical Location

Address 1

46500 Kato Road

Address 2

City Fremont

State CA

Zip Code 94538

County **ALAMEDA** **Mailing Address**

Address 1

46500 Kato Road

Address 2

City

Fromont

State CA

Zip Code 94538

Additional Information

Employer Identification Number 680418167

Total Number of Employees 500 to 999

Perform Verifications for Your Company's Employees No

Parent Organization
Thermo Fisher Scientific

Organization Designation

Employer Category
None of these categories
apply

View / Edit

NAICS Code 339 - MISCELLANEOUS MANUFACTURING

View / Edit

Total Hiring Sites

View / Edit

Total Points of Contact

2

View / Edit

View Original MOU Template

View MOU





Last Login: 04/24/2017 01:34 PM

For more information contact us at 888-464-4218 or E-Verify@dhs.gov.

U.S. Department of Homeland Security

U.S. Citizenship and Immigration Services

Enable Permanent Tooltips

Accessibility

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THE E-VERIFY MEMORANDUM OF UNDERSTANDING FOR E-VERIFY EMPLOYER AGENTS

ARTICLE I PURPOSE AND AUTHORITY

The parties to this agreement are the Department of Homeland Security (DHS) and Microgenics Corporation (E-Verify Employer Agent). The purpose of this agreement is to set forth terms and conditions which the E-Verify Employer Agent will follow while participating in E-Verify.

E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of Form I-9, Employment Eligibility Verification (Form I-9). This Memorandum of Understanding (MOU) explains certain features of the E-Verify program and describes specific responsibilities of the E-Verify Employer Agent, the Employer, DHS, and the Social Security Administration (SSA).

The Employer is not a party to this MOU; however, this MOU contains a section titled Responsibilities of the Employer. This section is provided to inform E-Verify Employer Agents acting on behalf of the Employer of the responsibilities and obligations their clients are required to meet. The Employer is bound by these responsibilities through signing a separate MOU during their enrollment as a client of the E-Verify Employer Agent. The E-Verify program requires an initial agreement between DHS and the E-Verify Employer Agent as part of the enrollment process. After agreeing to the MOU as set forth herein, completing the tutorial, and obtaining access to E-Verify as an E-Verify Employer Agent, the E-Verify Employer Agent will be given an opportunity to add a client once logged into E-Verify. All parties, including the Employer, will then be required to sign and submit a separate MOU to E-Verify. The responsibilities of the parties remain the same in each MOU.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). The Federal Acquisition Regulation (FAR) Subpart 22.18, "Employment Eligibility Verification" and Executive Order 12989, as amended, provide authority for Federal contractors and subcontractors (Federal contractor) to use E-Verify to verify the employment eligibility of certain employees working on Federal contracts.

ARTICLE II RESPONSIBILITIES

A. RESPONSIBILITIES OF E-VERIFY EMPLOYER AGENT

1. The E-Verify Employer Agent agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the E-Verify Employer Agent representatives who will be accessing





information under E-Verify and shall update them as needed to keep them current.

- 2. The E-Verify Employer Agent agrees to become familiar with and comply with the E-Verify User Manual and provide a copy of the most current version of the E-Verify User Manual to the Employer so that the Employer can become familiar with and comply with E-Verify policy and procedures. The E-Verify Employer Agent agrees to obtain a revised E-Verify User Manual as it becomes available and to provide a copy of the revised version to the Employer no later than 30 days after the manual becomes available.
- 3. The E-Verify Employer Agent agrees that any person accessing E-Verify on its behalf is trained on the most recent E-Verify policy and procedures.
- 4. The E-Verify Employer Agent agrees that any E-Verify Employer Agent Representative who will perform employment verification cases will complete the E-Verify Tutorial before that individual initiates any cases.
 - a. The E-Verify Employer Agent agrees that all E-Verify Employer Agent representatives will take the refresher tutorials initiated by the E-Verify program as a condition of continued use of E-Verify, including any tutorials for Federal contractors, if any of the Employers represented by the E-Verify Employer Agent is a Federal contractor.
 - b. Failure to complete a refresher tutorial will prevent the E-Verify Employer Agent and Employer from continued use of E-Verify.
- 5. The E-Verify Employer Agent agrees to grant E-Verify access only to current employees who need E-Verify access. The E-Verify Employer Agent must promptly terminate an employee's E-Verify access if the employee is separated from the company or no longer needs access to E-Verify.
- 6. The E-Verify Employer Agent agrees to obtain the necessary equipment to use E- Verify as required by the E-Verify rules and regulations as modified from time to time.
- 7. The E-Verify Employer Agent agrees to, consistent with applicable laws, regulations, and policies, commit sufficient personnel and resources to meet the requirements of this MOU.
- 8. The E-Verify Employer Agent agrees to provide its clients with training on E-Verify processes, policies, and procedures. The E-Verify Employer Agent also agrees to provide its clients with ongoing E-Verify training as needed. E-Verify is not responsible for providing training to clients of E-Verify Employer Agents.
- 9. The E-Verify Employer Agent agrees to provide the Employer with the notices described in Article II.B.1 below.
- 10. The E-Verify Employer Agent agrees to create E-Verify cases for the Employer it represents in accordance with the E-Verify Manual, the E-Verify Web-Based Tutorial and all other published E-Verify rules and procedures. The E-Verify Employer Agent will create E-Verify cases using information provided by the Employer and will immediately communicate the response back to the Employer. If E-Verify is temporarily unavailable, the three-day time period will be extended until it is again operational in order to accommodate the E-Verify Employer Agent's attempting, in good faith, to





make inquiries on behalf of the Employer during the period of unavailability.

- 11. When the E-Verify Employer Agent receives notice from a client company that it has received a contract with the FAR clause, then the E-Verify Employer Agent must update the company's E-Verify profile within 30 days of the contract award date.
- 12. If data is transmitted between the E-Verify Employer Agent and its client, then the E-Verify Employer Agent agrees to protect personally identifiable information during transmission to and from the E-Verify Employer Agent.
- 13. The E-Verify Employer Agent agrees to notify DHS immediately in the event of a breach of personal information. Breaches are defined as loss of control or unauthorized access to E-Verify personal data. All suspected or confirmed breaches should be reported by calling 1-888-464-4218 or via email at E-Verify@dhs.gov. Please use "Privacy Incident Password" in the subject line of your email when sending a breach report to E-Verify.
- 14. The E-Verify Employer Agent agrees to fully cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, including permitting DHS, SSA, their contractors and other agents, upon reasonable notice, to review Forms I-9, employment records, and all records pertaining to the E-Verify Employer Agent's use of E-Verify, and to interview it and its employees regarding the use of E-Verify, and to respond in a timely and accurate manner to DHS requests for information relating to their participation in E-Verify.
- 15. The E-Verify Employer Agent shall not make any false or unauthorized claims or references about its participation in E-Verify on its website, in advertising materials, or other media. The E-Verify Employer Agent shall not describe its services as federally-approved, federally-certified, or federally-recognized, or use language with a similar intent on its website or other materials provided to the public. Entering into this MOU does not mean that E-Verify endorses or authorizes your E-Verify Employer Agent services and any claim to that effect is false.
- 16. The E-Verify Employer Agent shall not state in its website or other public documents that any language used therein has been provided or approved by DHS, USCIS or the Verification Division, without first obtaining the prior written consent of DHS.
- 17. The E-Verify Employer Agent agrees that E-Verify trademarks and logos may be used only under license by DHS/USCIS (see M-795 (Web)) and, other than pursuant to the specific terms of such license, may not be used in any manner that might imply that the E-Verify Employer Agent's services, products, websites, or publications are sponsored by, endorsed by, licensed by, or affiliated with DHS, USCIS, or E-Verify.
- 18. The E-Verify Employer Agent understands that if it uses E-Verify procedures for any purpose other than as authorized by this MOU, the E-Verify Employer Agent may be subject to appropriate legal action and termination of its participation in E-Verify according to this MOU.

B. RESPONSIBILITIES OF THE EMPLOYER

The E-Verify Employer Agent shall ensure that the E-Verify Employer Agent and the Employers represented by the E-Verify Employer Agent carry out the following responsibilities. It is the E-Verify Page 3 of 19 E-Verify MOU for E-Verify Employer Agents | Revision Date 06/01/13





Employer Agent's responsibility to ensure that its clients are in compliance with all E-Verify policies and procedures.

- 1. The Employer agrees to display the following notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system:
 - a. Notice of E-Verify Participation
 - b. Notice of Right to Work
- 2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted about E-Verify. The Employer also agrees to keep such information current by providing updated information to SSA and DHS whenever the representatives' contact information changes.
- 3. The Employer shall become familiar with and comply with the most recent version of the E-Verify User Manual. The Employer will obtain the E-Verify User Manual from the E-Verify Employer Agent.
- 4. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:
 - a. If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 1-888-464-4218.
 - b. If an employee presents a DHS Form I-551 (Permanent Resident Card), Form I-766 (Employment Authorization Document), or U.S. Passport or Passport Card to complete Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The Employer will use the photocopy to verify the photo and to assist DHS with its review of photo mismatches that employees contest. DHS may in the future designate other documents that activate the photo screening tool.

Note: Subject only to the exceptions noted previously in this paragraph, employees still retain the right to present any List A, or List B and List C, document(s) to complete the Form I-9.

- 5. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.
- 6. The Employer agrees that, although it participates in E-Verify, the Employer has a responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures.
 - a. The following modified requirements are the only exceptions to an Employer's obligation to not employ unauthorized workers and comply with the anti-discrimination provision of the INA: (1) List B identity documents must have photos, as described in paragraph 4 above; (2) When an Employer confirms the identity and employment eligibility of newly hired employee using E-Verify procedures, the Employer establishes a rebuttable presumption that it has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of that employee; (3) If the Employer receives a final nonconfirmation for an employee, but continues to employ that person,





the Employer must notify DHS and the Employer is subject to a civil money penalty between \$550 and \$1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) If the Employer continues to employ an employee after receiving a final nonconfirmation, then the Employer is subject to a rebuttable presumption that it has knowingly employed an unauthorized alien in violation of section 274A(a)(1)(A); and (5) no E-Verify participant is civilly or criminally liable under any law for any action taken in good faith based on information provided through the E-Verify.

- b. DHS reserves the right to conduct Form I-9 compliance inspections, as well as any other enforcement or compliance activity authorized by law, including site visits, to ensure proper use of E-Verify.
- 7. The Employer is strictly prohibited from creating an E-Verify case before the employee has been hired, meaning that a firm offer of employment was extended and accepted and Form I-9 was completed. The Employer agrees to create an E-Verify case for new employees within three Employer business days after each employee has been hired (after both Sections 1 and 2 of Form I-9 have been completed), and to complete as many steps of the E-Verify process as are necessary according to the E-Verify User Manual. If E-Verify is temporarily unavailable, the three-day time period will be extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability.
- 8. The Employer agrees not to use E-Verify for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use that this MOU or the E-Verify User Manual does not authorize.
- 9. The Employer must use E-Verify (through its E-Verify Employer Agent) for all new employees. The Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. Employers who are Federal contractors may qualify for exceptions to this requirement as described in Article II.B of this MOU.
- 10. The Employer agrees to follow appropriate procedures (see Article III below) regarding tentative nonconfirmations. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending. Further, when employees contest a tentative nonconfirmation based upon a photo mismatch, the Employer must take additional steps (see Article III.B below) to contact DHS with information necessary to resolve the challenge.
- 11. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(I)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo

E-Verify



Company ID Number: 889988

mismatch, does not establish, and should not be interpreted as, evidence that the employee is not work authorized. In any of such cases, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status (including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, withholding pay, refusing to assign the employee to a Federal contract or other assignment, or otherwise assuming that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo mismatch or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 (customer service) or 1-888-897-7781 (worker hotline).

- 12. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA as applicable by not discriminating unlawfully against any individual in hiring, firing, employment eligibility verification, or recruitment or referral practices because of his or her national origin or citizenship status, or by committing discriminatory documentary practices. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the immigration-related unfair employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).
- 13. The Employer agrees that it will use the information it receives from E-Verify (through its E-Verify Employer Agent) only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords), to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.
- 14. The Employer agrees to notify DHS immediately in the event of a breach of personal information. Breaches are defined as loss of control or unauthorized access to E-Verify personal data. All suspected or confirmed breaches should be reported by calling 1-888-464-4218 or via email at E-Verify@dhs.gov. Please use "Privacy Incident Password" in the subject line of your email when sending a breach report to E-Verify.
- 15. The Employer acknowledges that the information it receives through the E-Verify Employer Agent from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)). Any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.





- 16. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify (whether directly or through their E-Verify Employer Agent), which includes permitting DHS, SSA, their contractors and other agents, upon reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a prompt and accurate manner to DHS requests for information relating to their participation in E-Verify.
- 17. The Employer shall not make any false or unauthorized claims or references about its participation in E-Verify on its website, in advertising materials, or other media. The Employer shall not describe its services as federally-approved, federally-certified, or federally-recognized, or use language with a similar intent on its website or other materials provided to the public. Entering into this MOU does not mean that E-Verify endorses or authorizes your E-Verify services and any claim to that effect is false.
- 18. The Employer shall not state in its website or other public documents that any language used therein has been provided or approved by DHS, USCIS or the Verification Division, without first obtaining the prior written consent of DHS.
- 19. The Employer agrees that E-Verify trademarks and logos may be used only under license by DHS/USCIS (see M-795 (Web)) and, other than pursuant to the specific terms of such license, may not be used in any manner that might imply that the Employer's services, products, websites, or publications are sponsored by, endorsed by, licensed by, or affiliated with DHS, USCIS, or E-Verify.
- 20. The Employer understands that if it uses E-Verify procedures for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its participation in E-Verify according to this MOU.

C. RESPONSIBILITIES OF FEDERAL CONTRACTORS

The E-Verify Employer Agent shall ensure that the E-Verify Employer Agent and the Employers represented by the E-Verify Employer Agent carry out the following responsibilities if the Employer is a federal contractor or becomes a Federal contractor. The E-Verify Employer Agent should instruct the client to keep the E-Verify Employer Agent informed about any changes or updates related to federal contracts. It is the E-Verify Employer Agent's responsibility to ensure that its clients are in compliance with all E-Verify policies and procedures.

- 1. If the Employer is a Federal contractor with the FAR E-Verify clause subject to the employment verification terms in Subpart 22.18 of the FAR, it will become familiar with and comply with the most current version of the E-Verify User Manual for Federal Contractors as well as the E-Verify Supplemental Guide for Federal Contractors.
- 2. In addition to the responsibilities of every employer outlined in this MOU, the Employer understands that if it is a Federal contractor subject to the employment verification terms in Subpart 22.18 of the FAR it must verify the employment eligibility of any "employee assigned to the contract" (as defined in FAR 22.1801). Once an employee has been verified through E-Verify by the Employer, the Employer may not reverify the employee through E-Verify.
 - a. An Employer that is not enrolled in E-Verify as a Federal contractor at the time of a contract award must enroll as a Federal contractor in the E-Verify program within 30 calendar days of

E-Verify



Company ID Number: 889988

contract award and, within 90 days of enrollment, begin to verify employment eligibility of new hires using E-Verify. The Employer must verify those employees who are working in the United States, whether or not they are assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within three business days after the hire date. Once enrolled in E-Verify as a Federal contractor, the Employer must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.

- b. Employers enrolled in E-Verify as a Federal contractor for 90 days or more at the time of a contract award must use E-Verify to begin verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within three business days after the date of hire. If the Employer is enrolled in E-Verify as a Federal contractor for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within three business days after the date of hire. An Employer enrolled as a Federal contractor in E-Verify must begin verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.
- c. Federal contractors that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), state or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency under a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. Employers in this category must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.
- d. Upon enrollment, Employers who are Federal contractors may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only those employees assigned to a covered Federal contract. After enrollment, Employers must elect to verify existing staff following DHS procedures and begin E-Verify verification of all existing employees within 180 days after the election.
- e. The Employer may use a previously completed Form I-9 as the basis for creating an E-Verify case for an employee assigned to a contract as long as:
 - i. That Form I-9 is complete (including the SSN) and complies with Article II.B.6,
 - ii. The employee's work authorization has not expired, and
 - iii. The Employer has reviewed the Form I-9 information either in person or in communications with the employee to ensure that the employee's Section 1, Form I-9 attestation has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen).
- f. The Employer shall complete a new Form I-9 consistent with Article II.A.6 or update the previous Form I-9 to provide the necessary information if:
 - i. The Employer cannot determine that Form I-9 complies with Article II.A.6,





- ii. The employee's basis for work authorization as attested in Section 1 has expired or changed, or
- iii. The Form I-9 contains no SSN or is otherwise incomplete.

Note: If Section 1 of the Form I-9 is otherwise valid and up-to-date and the form otherwise complies with Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired after completing Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.A.5, subject to any additional or superseding instructions that may be provided on this subject in the E-Verify User Manual.

- g. The Employer agrees not to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU or to authorize verification of any existing employee by any Employer that is not a Federal contractor based on this Article.
- 3. The Employer understands that if it is a Federal contractor, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

D. RESPONSIBILITIES OF SSA

- 1. SSA agrees to allow DHS to compare data provided by the Employer (through the E-Verify Employer Agent) against SSA's database. SSA sends DHS confirmation that the data sent either matches or does not match the information in SSA's database.
- 2. SSA agrees to safeguard the information the Employer provides (through the E-Verify Employer Agent) through E-Verify procedures. SSA also agrees to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security numbers or responsible for evaluation of E-Verify or such other persons or entities who may be authorized by SSA as governed by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).
- 3. SSA agrees to provide case results from its database within three Federal Government work days of the initial inquiry. E-Verify provides the information to the E-Verify Employer Agent.
- 4. SSA agrees to update SSA records as necessary if the employee who contests the SSA tentative nonconfirmation visits an SSA field office and provides the required evidence. If the employee visits an SSA field office within the eight Federal Government work days from the date of referral to SSA, SSA agrees to update SSA records, if appropriate, within the eight-day period unless SSA determines that more than eight days may be necessary. In such cases, SSA will provide additional instructions to the employee. If the employee does not visit SSA in the time allowed, E-Verify may provide a final nonconfirmation to the E-Verify Employer Agent.

Note: If an Employer experiences technical problems, or has a policy question, the employer should contact E-Verify at 1-888-464-4218.





E. RESPONSIBILITIES OF DHS

- 1. DHS agrees to provide the Employer with selected data from DHS databases to enable the Employer (through the E-Verify Employer Agent) to conduct, to the extent authorized by this MOU
 - a. Automated verification checks on alien employees by electronic means, and
 - b. Photo verification checks (when available) on employees.
- 2. DHS agrees to assist the E-Verify Employer Agent with operational problems associated with its participation in E-Verify. DHS agrees to provide the E-Verify Employer Agent names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.
- 3. DHS agrees to provide to the E-Verify Employer Agent with access to E-Verify training materials as well as an E-Verify User Manual that contain instructions on E-Verify policies, procedures, and requirements for both SSA and DHS, including restrictions on the use of E-Verify.
- 4. DHS agrees to train E-Verify Employer Agents on all important changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual. Even without changes to E-Verify, DHS reserves the right to require E-Verify Employer Agents to take mandatory refresher tutorials.
- 5. DHS agrees to provide to the Employer (through the E-Verify Employer Agent) a notice, which indicates the Employer's participation in E-Verify. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.
- 6. DHS agrees to issue each of the E-Verify Employer Agent's E-Verify users a unique user identification number and password that permits them to log in to E-Verify.
- 7. DHS agrees to safeguard the information the Employer provides (through the E-Verify Employer Agent), and to limit access to such information to individuals responsible for the verification process, for evaluation of E-Verify, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security numbers and employment eligibility, to enforce the INA and Federal criminal laws, and to administer Federal contracting requirements.
- 8. DHS agrees to provide a means of automated verification that provides (in conjunction with SSA verification procedures) confirmation or tentative nonconfirmation of employees' employment eligibility within three Federal Government work days of the initial inquiry.
- 9. DHS agrees to provide a means of secondary verification (including updating DHS records) for employees who contest DHS tentative nonconfirmations and photo mismatch tentative nonconfirmations. This provides final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.





ARTICLE III REFERRAL OF INDIVIDUALS TO SSA AND DHS

The E-Verify Employer Agent shall ensure that the E-Verify Employer Agent and the Employers represented by the E-Verify Employer Agent carry out the following responsibilities. It is the E-Verify Employer Agent's responsibility to ensure that its clients are in compliance with all E-Verify policies and procedures.

A. REFERRAL TO SSA

- 1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the tentative nonconfirmation notice as directed by E-Verify. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.
- 2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.
- 3. After a tentative nonconfirmation, the Employer will refer employees to SSA field offices only as directed by E-Verify. The Employer must record the case verification number, review the employee information submitted to E-Verify to identify any errors, and find out whether the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security number, or any other corrected employee information that SSA requests, to SSA for verification again if this review indicates a need to do so.
- 4. The Employer will instruct the employee to visit an SSA office within eight Federal Government work days. SSA will electronically transmit the result of the referral to the Employer (through the E-Verify Employer Agent) within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.
- 5. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.
- 6. The Employer agrees not to ask the employee to obtain a printout from the Social Security Administration number database (the Numident) or other written verification of the SSN from the SSA.

B. REFERRAL TO DHS

1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer must allow employees to contest the finding, and not take adverse action Page 11 of 19 E-Verify MOU for E-Verify Employer Agents | Revision Date 06/01/13





against employees if they choose to contest the finding, while their case is still pending.

- 2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.
- 3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation.
- 4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will instruct the employee to contact DHS through its toll-free hotline (as found on the referral letter) within eight Federal Government work days.
- 5. If the Employer finds a photo mismatch, the Employer must provide the photo mismatch tentative nonconfirmation notice and follow the instructions outlined in paragraph 1 of this section for tentative nonconfirmations, generally.
- 6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo mismatch, the Employer will send a copy of the employee's Form I-551, Form I-766, U.S. Passport, or passport card to DHS for review by:
 - a. Scanning and uploading the document, or
 - b. Sending a photocopy of the document by express mail (furnished and paid for by the employer).
- 7. The Employer understands that if it cannot determine whether there is a photo match/mismatch, the Employer must forward the employee's documentation to DHS as described in the preceding paragraph. The Employer agrees to resolve the case as specified by the DHS representative who will determine the photo match or mismatch.
- 8. DHS will electronically transmit the result of the referral to the Employer (though the E-Verify Employer Agent) within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.
- 9. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.

ARTICLE IV SERVICE PROVISIONS

A. NO SERVICE FEES

1. SSA and DHS will not charge the Employer or the E-Verify Employer Agent for verification services performed under this MOU. The E-Verify Employer Agent is responsible for providing equipment needed to make inquiries. To access E-Verify, an E-Verify Employer Agent will need a personal computer with Internet access.





ARTICLE V MODIFICATION AND TERMINATION

A. MODIFICATION

- 1. This MOU is effective upon the signature of all parties and shall continue in effect for as long as the SSA and DHS operates the E-Verify program unless modified in writing by the mutual consent of all parties.
- 2. Any and all E-Verify system enhancements by DHS or SSA, including but not limited to E-Verify checking against additional data sources and instituting new verification policies or procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes.

B. TERMINATION

- 1. The E-Verify Employer Agent may terminate this MOU and its participation in E-Verify at any time upon 30 days prior written notice to the other parties. In addition, any Employer represented by the E-Verify Employer Agent may voluntarily terminate its MOU upon giving DHS 30 days' written notice.
- 2. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU, and thereby the E-Verify Employer Agent's participation in E-Verify, with or without notice, at any time if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the E-Verify Employer Agent or the Employer, or a failure on the part of either party to comply with established E-Verify procedures and/or legal requirements. The Employer understands that if it is a Federal contractor, termination of this MOU by any party for any reason may negatively affect the performance of its contractual responsibilities. Similarly, the Employer understands that if it is in a state where E-Verify is mandatory, termination of this by any party MOU may negatively affect the Employer's business.
- 3. An E-Verify Employer Agent for an Employer that is a Federal contractor may terminate this MOU for that Employer when the Federal contract that requires its participation in E-Verify is terminated or completed. In such cases, the E-Verify Employer Agent must provide written notice to DHS. If the E-Verify Employer Agent fails to provide such notice, then that Employer will remain an E-Verify participant, will remain bound by the terms of this MOU that apply to non-Federal contractor participants, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.
- 4. The E-Verify Employer Agent agrees that E-Verify is not liable for any losses, financial or otherwise, if the E-Verify Employer Agent or the Employer is terminated from E-Verify.





ARTICLE VI

- A. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.
- B. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the E-Verify Employer Agent, its agents, officers, or employees.
- C. The E-Verify Employer Agent may not assign, directly or indirectly, whether by operation of law, change of control or merger, all or any part of its rights or obligations under this MOU without the prior written consent of DHS, which consent shall not be unreasonably withheld or delayed. Any attempt to sublicense, assign, or transfer any of the rights, duties, or obligations herein is void.
- D. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.
- E. The E-Verify Employer Agent understands that its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to, Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).
- F. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the E-Verify Employer Agent and DHS respectively. The E-Verify Employer Agent understands that any inaccurate statement, representation, data or other information provided to DHS may subject the Employer or the E-Verify Employer Agent, as the case may be, its subcontractors, its employees, or its representatives to: (1) prosecution for false statements pursuant to 18 U.S.C. 1001 and/or; (2) immediate termination of its MOU and/or; (3) possible debarment or suspension.
- G. The foregoing constitutes the full agreement on this subject between DHS and the E-Verify Employer Agent.

If you have any questions, contact E-Verify at 1-888-464-4218.





Approved by:

E-Verify Employer Agent Employer	
Microgenics Corporation	
Name (Please Type or Print)	Title
Contracts Admin Contracts Admin	
Signature	Date
Electronically Signed	06/29/2015
Department of Homeland Security – Verificat	tion Division
Name (Please Type or Print)	Title
USCIS Verification Division	
Signature	Date
Electronically Signed	06/29/2015





Information	on Required for the E-Verify Program			
Information relating to your Company:				
Company Name	Microgenics Corporation			
Company Facility Address	46500 Kato Road Fremont, CA 94538			
Company Alternate Address	46500 Kato Road Fromont, CA 94538			
County or Parish	ALAMEDA			
Employer Identification Number	680418167			
North American Industry Classification Systems Code	339			
Parent Company	Thermo Fisher Scientific			
Number of Employees	500 to 999			
Number of Sites Verified for	1			





Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:

CALIFORNIA

1 site(s)





Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name Contracts Admin Contracts Admin

Phone Number (510) 979 - 5000 Fax Number (510) 979 - 5008

Email Address usfmtmgc-contractsadmin@thermofisher.com

Name Contracts Admin Contracts Admin

Phone Number (510) 979 - 5000 Fax Number (510) 979 - 5008

Email Address usfmtmgc-contractsadmin@thermofisher.com

E-Verify_



Company ID Number: 889988

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MDOC - Toxicology Laboratory

689 Hwy O - P.O. Box 70 Fulton, MO 65251 (573) 592-4074 (phone) (573) 592-0654 (fax) Carol J. Bates, Laboratory Manager

Client Name: LAST NAME, FIRST NAME

Client ID: 1111111111 Specimen: 3643850 Reference: 0117

Requested By:

Agency: Test

Collected: 01/27/17

Collected By: Tested:

Test Reason: Pre-Employment

Test	Result	Outcome	Cutoff
PHENCYCLIDINE (PCP)		NEGATIVE	25 ng/mL
BENZODIAZEPINES		NEGATIVE	200 ng/mL
OPIATE		NEGATIVE	2000 ng/mL
BARBITURATES		POSITIVE	200 ng/mL
AMPHETAMINES		NEGATIVE	1000 ng/mL
COCAINE		NEGATIVE	300 ng/mL
THC (MARIJUANA)		POSITIVE	50 ng/mL
CREATININE 10	-17.0 mg/dL		
OXIDANTS	0.0 mcg/mL		200.0 mcg/mL
ETHYL GLUCURONIDE			1000 ng/mL

Comments:



MDOC - Toxicology Laboratory

689 Hwy O - P.O. Box 70 Fulton, MO 65251 (573) 592-4074 (phone) (573) 592-0654 (fax) Carol J. Bates, Laboratory Manager

Client Name: LAST NAME, FIRST NAME

Client ID: 1111111111 Specimen: 3643850 Reference: 0117

Requested By:

Agency: Test

Collected: 01/27/17

Collected By: Tested:

Test Reason: P & P Target

Test	Result	Outcome	Cutoff
PHENCYCLIDINE (PCP)		NEGATIVE	25 ng/mL
BENZODIAZEPINES		NEGATIVE	200 ng/mL
OPIATE		NEGATIVÉ	2000 ng/mL
BARBITURATES FAILED TO CONFIRM ON 1-27-17		NEGATIVE	200 ng/mL
AMPHETAMINES		NEGATIVE	1000 ng/mL
COCAINE		NEGATIVE	300 ng/mL
THC (MARIJUANA) THC (Marijuana) confirmed on 1-25-17		POSITIVE	50 ng/mL
CREATININE 10	-17.0 mg/dL		
OXIDANTS	0.0 mcg/mL		200.0 mcg/mL
ETHYL GLUCURONIDE			1000 ng/mL

Comments:

SID: 3643850 1111111111



LAST NAME, FIRST NAME Reference #: 0117

Р.

012717

FS

SID: 3643850 11111111111

test



LAST NAME, FIRST NAME Reference #: 0117

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SID: 3643850 1111111111

test



LAST NAME, FIRST NAME Reference #: 0117

012717

FS

P

MDOC Toxicology Laboratory Executive Summary Offender Report

Report Date: 01/09/2017

Data Group: Offender

Date Range (Month/Year): 1216 Specimen Reason: Target

		Samples 7 Positives PCP		BENZ	OPIA	OPI2K	BARB	
Zone 1		•						
	AC	97	10	0	0	5	0	0
	BC	75	8	0	0	4	0	0
	CC	64	0	0	0	0	0	0
	CR	72	18	0	0	1	0	0
	ERD	149	0	0	Q	0	0	0
	FC	119	9	0	0	5	0	0
	FR	96	0	0	0	0	0	0
	JC	83	1	0	0	1	0	0
	KC	0	0	0	0	0	0	0
	MC	91	0	0	0	0	0	0
	ME	90	6	0	0	1	0	0
	NE	73	2	0	0	0	0	0
	PC	80	4	0	0	4	0	0
	SC	114	4	0	0	2	0	0
	SE	85	1	0	0	0	0	0
	TC	131	6	0	0	1	0	0
	WE	82	0	0	0	0	0	0
	WM	191	0	0	0	0	0	0
	WR	79	2	0	Q	0	0	0
Institution	al Treatment							
	BTC	3	0	0	0	0	0	0
	CT	10	0	0	0	0	0	0
•	CM	22	0	0	0	0	0	0
	FTC	0	0	0	0	0	0	0
	MTC	28	0	0	0	0	0	0
	NETC	0	0	0	0	0	0	0
	OC	56	0	0	0	0	0	0
	WETC	10	0	0	0	0	0	0
	WRTCC	113	0	0	0	0	0	0
	WRTCD	84	0	0	0	0	0	0
RELEASE	CENTERS						_	
	SL	440	126	2	18	61	0	0
-		2537	197	2	18	85	0	0

MDOC Toxicology Laboratory Executive Summary Report

Report Date: 01/09/2017

Data Group: Offender

Date Range (Month/Year): 1216 Specimen Reason: P & P Treatment

	Samples T Posi	tives PCP	BENZ	OPIA	OPI2K	BARB	
Eastern Region	-						
7C	8	4	0	1	1	0	0
7 S	2	0	0	0	0	0	0
8C	19	13	0	5	5	0	0
8E	14	10	0	1	4	0	0
8N	2	2	0	0	0	0	0
88	10	2	0	0	1	0	0
EC	119	69	5	3	21	0	0
EP	1	1	0	0	0	0	0
North Central Region							
2	5	2	0	0	2	0	0
20	8	2	0	1	0	0	0
27	3	1	0	0	0	0	0
29	141	9	3	1	0	0	0
32	23	4	0	0	0	0	0
34	6	4	0	0	0	0	1
35	3	1	0	0	0	0	0
39	8	1	0	1	0	0	0
5	8	6	0	2	0	0	0
6	11	3	0	0	0	0	0
Northeast Region	_			_	_	_	_
11	2	1	0	0	0	0	0
16	8	2	0	0	0	0	0
17	14	8	0	2	3	0	0
18	10	2	0	0	0	0	0
26	22	10	0	0	2	0	0
38	9	5	0	0	0	0	0
Southeast Region			•		_	•	
12	32	16	0	1	5	0	0
15	15	2	0	0	0	0	0
22 25	9	2	0 0	0 0	0 0	0	0 0
25 31	10 4	5 3	0	1	0	0	0
36	1	ა 0	0	0	0	0	0
Southwest Region	i	U	U	U	U	U	U
10	21	8	0	2	1	0	0
10R	8	7	0	2	1	0	0
13	5	1	0	0	0	0	0
21	16	8	0	2	0	0	1
30	11	2	0	0	0	0	Ó
	• •	-	~	~	-	•	•

42	10	4	0	1	0	0	0
43	2	0	0	0	0	0	0
9	14	3	0	0	0	0	1
Western Region							
1	48	22	0	5	1	0	0
19	11	1	0	1	0	0	0
24	16	5	0	1	0	0	0
28	2	0	0	0	0	0	0
4	3	0	0	0	0	0	0
4C	1	0	0	0	0	0	0
4W	12	4	0	0	0	0	0
	707	255	8	33	47	0	3

MDOC Toxicology Laboratory Executive Summary Report

Report Date: 01/09/2017

Data Group: Employee
Date Range (Month/Year): 1216
Specimen Reason: Pre-Employment

	Samples TPos	itives PCP	BENZ	OPIA	OPI2K	BARB	
EMPLOYEE	-						
CS	23	0	0	0	0	0	0
DAł	139	4	0	0	0	0	0
DHS	2	0	0	0	0	0	0
DORS	7	0	0	0	0	0	0
MBPP	17	0	0	0	. 0	0	0
VOL	25	0	0	0	0	0	0
	213	4	0	0	0	0	0

Test Count by Device

MDOC - Toxicology Laboratory

Report Range: 12/30/2016 through 12/30/2016 (by Test Date)

Device: Advia 2400 - 1

Test Code	Test Count	
PCP	114	
BENZ	61	
OPIA	115	
OPI2K	53	
BARB	61	
AMPH	168	1. 5= 10%
COCN	168	
THC50	168	
CREAT	115	
CR20	55	1/-391
OX	168	0 > 0.1
<u>P</u> H	53	
ETG	61	-
Total Tests:	1,360	丁二 乳にう

Cal GC = 86 Ruc = 5 R = 2

Device: Advia 2400 - 2

Test Code	Test Count
PCP	49
BENZ	49
OPIA	142
BARB	49
AMPH	142
COCN	142
THC50	142
CREAT	142
OX	142
ETG	49
Total Tests:	1,048

Quality Control Summary

MDOC - Toxicology Laboratory

689 Hwy O - P.O. Box 70 Fulton, MO 65251

Report Range: 12/30/2016 through 12/30/2016 (by Date Created)

		E		Low	High			Date
Device	Ctrl LvI	Test	Lot Number	Range	Range	Result	Outcome	Created
ADVIA1	HIGH1	AMPH		1005	1400	1172	Normal	12/30/16
ADVIA1	LOW1	AMPH		500	995	769	Normal	12/30/16
ADVIA1	HIGH1	BARB		205	400	235	Normal	12/30/16
ADVIA1	LOW1	BARB		50	195	147	Normal	12/30/16
ADVIA1	HIGH1	BENZ		205	400	220	Normal	12/30/16
ADVIA1	LOW1	BENZ		50	195	135	Normal	12/30/16
ADVIA1	HIGH1	COCN		305	450	325	Normal	12/30/16
ADVIA1	LOW1	COCN		100	295	267	Normal	12/30/16
ADVIA1	HIGH1	CR20		20	26	22.0	Normal	12/30/16
ADVIA1	MID	CR20		6	9	7.3	Normal	12/30/16
ADVIA1	LOW1	CR20		8.0	2.5	1.3	Normal	12/30/16
ADVIA1	HIGH1	CREAT		20	26	22.0	Normal	12/30/16
ADVIA1	MID	CREAT		6	9	7.3	Normal	12/30/16
ADVIA1	LOW1	CREAT		0.8	2.5	1.3	Normal	12/30/16
ADVIA1	HIGH1	ETG		1005	1400	1111	Normal	12/30/16
ADVIA1	LOW1	ETG		500	995	751	Normal	12/30/16
ADVIA1	HIGH1	OPIA		2005	3000	2180	Normal	12/30/16
ADVIA1	LOW1	OPIA		1500	1995	1658	Normal	12/30/16
ADVIA1	HIGH1	OX		205	450	319.0	Normal	12/30/16
ADVIA1	LOW1	OX		50	195	89.0	Normal	12/30/16
ADVIA1	HIGH1	PCP		27	75	31	Normal	12/30/16
ADVIA1	LOW1	PCP		5	23	18	Normal	12/30/16
ADVIA1	HIGH2	PH		11	14	11.2	Normal	12/30/16
ADVIA1	HIGH1	PH		9	12	10.8	Normal	12/30/16
ADVIA1	LOW2	PH	•	6.5	8.5	7.5	Normal	12/30/16
ADVIA1	LOW1	PH		3	5	3.4	Normal	12/30/16
ADVIA1	HIGH1	THC50		55	100	63	Normal	12/30/16
ADVIA1	LOW1	THC50		5	45	36	Normal	12/30/16

18 M

3.4

29 M

1111 H

First aspiration date 6 time: 12/30/2016 08:31:34

FILEST	aabttatt	on date	e crwe:	12/30/2019	00:31:
Serial	number:	CB12430	30.62		

rnc_#1 rhc_#1 etg etg	0.26907 0.26630	CALIB		CALIB	Inc	CALIB	100	CALIB	5.40	CALIB
THC_#1 ETG	0.26630		0.000=0							
THC_#1 ETG	0.26630		0.28676		0.31928		0.37184		*******	*********
ETG_	********		0.28535		0.31751		0.37209		*******	********
ETG		********	******	*********	*******	*********	******	*********	0.26937	
	Maa	*********	******	*********	*******	*******	*******	*******	0.26988	
		0601	M98	0701	м98	0801	M98	0901	C0	101
		CALIB		CALIB		CALIB	ETG	CALIB	DEIONI	ZED H20
ETG	0.27934		0.33144		0.38474		0.45549		******	*******
ETG	0.27985		0.32909		0.38262		0.45690		******	********
COCN	******	*********	*******	********	*******	*********	*******	*********	0.24750	
COCN	******	*********	*******	*********	*******	********	*******	********	0.24715	
AMPH	*******	********	*******	*******	*******	********	******	*****	0.21073	
МРН	*******	********	*******	*********	*******	********	*******	********	0.20987	
ENZ	*******	********	*******	*********	******	*********	******	*********	0.16352	
BENZ	*****	********	*******	******	*******	********	*******	*********	0.16346	
BARB	*******	*********	*******	*********	*******	********	******	*********	0.23615	
BARB	******	*********	*******	*********	*******	*********	******	*********	0.23837	
PCP	******	*********	*******	**********	******	*********	*******	*********	0.25656	
PCP	******	********	*******	*********	********	*********	******	********	0.25747	
	******	********	*******	*********	*******	*********	*******	*********	0.22008	
OPIA OPIA	*******	*********	*******	*********	*******	*********	*******	******	0.21844	
	co	201	co	401	co	501		601	co	701
	MULTI-DRU			.0 CALIB		.0 CALIB		NEG CALIB		200 CALIB
COCN	0.14931		******	*******	*******	********	*******	******	******	********
COCN	0.15002		******	*********	*****	*****	******	*********	*******	*********
AMPH	0.11222		*******	********	*******	*********	******	*********	*******	*********
AMPH	0.11478		******	*********	******	*********	******	******	******	*********
BENZ	0.09947		******	*********	******	********	******	*********	******	*********
BENZ	0.09903		******	*******	*******	*******	******	*******	*******	*********
BARB	0.07793		******	********	*******	*******	*****	*********	*******	*******
BARB	0.07839		******	*******	*******	*******	******	********	*******	*********
PCP	0.05945		*******	*********	*******	*********	*******	*********	******	*****
PCP	0.06129		******	*********	*******	*********	******	*********	*******	********
OPIA	0.18439		*******	*********	*******	*********	******	*********	*******	*********
OPIA	0.19409		******	*********	*******	**********	******	*********	*******	********
CR 10	*******	**********	0.00456		0.04029		********	********	*******	********
	*******	*********	0.00455		0.04011		*******	*********	*******	**********
CR_10	*******	******	0.00445		0.04030		******	*********	*******	*********
CR_20	*******	********	0.00443		0.03990		*******	*********	********	*********
CR_20	*******	*********	*******		0.03550	*********	0.02986		0.74074	
OXID OXID	*******	*********	*******	**********	*******	*********	0.02982		0.74470	
	c	1801	co	901						
	РН Э.(CALIB	PH 11.	0 CALIB						
2H 2H	0.01810 0.01827		0.39244 0.39195							
		5		_		9		10		11
		M		6 M		н	•	м		м
THC_#I	36		63	ĸ	_		_ 4 =			
COCM					267		325			
AMPH					769		1172			
BENZ					135		220			
BARB					147		236			
PCP					18		31	H		
OPIA					1659		2180	H		
CR_10									1.3	L
CR_20									1.3	L

89

21 M

11.2 K

319 H

28 M

751

Last aspiration date & time: 12/30/2016 08:35:54
Serial number: CA12430062

13 M

20

22.0 22.0

10.8

CR_10 CR_20 OXID PH

PH etg

12 M

19 M

7.5

First aspiration date & time: 12/30/2016 08:54:32 Serial number: CA12430062

Serial nu	mber: CA12430062	~, 00, 6010 00, 54, 52	•		
	3634390 M	3634391 M	3634392 M	3634393 M	3634394 M
THC_#1	-10 k	-4 k	-18 k	+0 k	0 k
COCN AMPH	-3	_1	-7	0	-4
PCP	68 - 4	56 3	289 -9	\$7 - 5	5 +3
OXID	-5	-0	-5	-8	-6
PH	5.7	5.5	6.3	6.0	5.3
OPIA CR_20	-36 199.7	-46 62.9	163	-35	-10
ccv	3634395		169.2	105.2	70.9
	W 7834353	3634396 M	3634397 M	3634398 M	3634399 M
THC_#1	-7 k	-8 k	6 k	-8 k	-9 k
COCN AMPH	-3 25	-3 58	-2 54	-4 35	-2 73
PCP	-5	-6	59 -2	-6	/3 4
OXID	8	-7	- 5	- š	-6
PH OPIA	5.4 -20	5.4	5.5	6.3	5.2
CR_20	151.4	-29 315.0	-16 159.6	-40 232.5	-40 200.1
	3634400 M	3634401 M	3634402 M	3634497 M	3634463 M
THC_#1	-2 k	-5 k	-2 k	sS	-5 k
COCN Amph	0 60	-2 27	-5	5 5	-5 243
PCP	-4	2 f -4	42 -3	98	347
OXID	-6	-7	-8	s \$	-8
PH OPIA	7.1 -18	5.5	6.8	_	
CR_20 CR_10	102.2	-19 101.7	-20 57.7	ss	-26
CK_10	2634464			s\$	180.2
_	3634464 M	3634465 M	3634466 H	3634467 M	3634468 M
	-4 k	-9 k	-7 k	-9 k	-11 k
AMPH	-3 123	-7 179	-2 155	-1 155	-10 226
CR_10	89.2	201.0	167.2	216.9	229.4
OXID	-8	-8	-9	-8	-8
OPIA	-7	-34	-22	-43	-51
	3634469 M	3634470 M	3634471 M	3634472 M	3634473 M
THC_#1	-10 k	-8 k	-6 k	-6 k	-9 k
COCN	-3	-5	-2	-7	-4
AMPH CR 10	56 226.5	134 154.1	127 141.9	90	229
OXID	-3	-8	-B	199.7 -7	177.7 -0
OPIA	-28	-24	-23	-55	-33
	3634474 M	3634475 M	3634476 M	3634477 H	3634478 M
THC_#1	-9 k	-10 k	-9 k	-6 k	-6 k
COCN AMPH	-4 349	- 6	-6	-5	-1
CR 10	155.7	69 159.5	330 161,3	92 138.5	51 109.8
OXĪD	-7	-8	-6	-B	-6
OPIA	-46	-32	-41	-40	-13
	3634479 M	3634480 M	3634481 M	3634482 M	3634483 M
THC_#1	-5 k -1	-13 k	-3 k	-6 k	-8 k
AWER	-1 52	-7 17 2	4 39	-3 43	-4 61
CR_10	148.8	388.7	100.7	125.0	157.6
OXID OPIA	-7 -21	-7 -50	-6 10	-6 35	-7 24
ALTA		-58	-10	-35	-34
	3634484 M	3634485 M	3634486 M	3634487 M	3634488 M
	-6 k	0 k -3	-20 k	-6 k -3	-4 k
À.	214	-3 78	-10 96	-3 127	130
CR_10	63.9	61.B	197.5	103.3	71.4
αῖχο	-7	-3	-6	-8	-8



MICROGENICS CORPORATION A Thermo Fisher Scientific Company Executive Summary

Response to State of Missouri (RFP) RFPS0034901801828

Microgenics is generating much of the industry momentum for bringing new diagnostic assays to the drugs of abuse market place. Understanding and responding to our customer's evolving needs has achieved the focus on these new products.

New Drugs of Abuse Assays added in the past several years:

- DRI® Ecstasy Assay
- DRI® Oxycodone Assay
- CEDIA® Heroin Metabolite Assay
- CEDIA® Amphetamine/Ecstasy Assay
- DRI® Methadone Metabolite Assay
- CEDIA® Buprenorphine Assay
- General Oxidant, Specimen Validity
- DRI® Fentanyl Pending FDA approval
- CEDIA® OFT
- DRI® ETG Assay Pending FDA approval

Supported by one of the strongest research and development programs in the industry, we have leveraged our core technologies to develop two highly compatible product platforms. Our Customers benefit from the synergy offered by multiple technologies in drugs of abuse testing, therapeutic drug monitoring, immunosuppressive drug monitoring, endocrine function diagnosis, standards & controls, and our bench-top analyzer.

Microgenics offers a broad menu of innovative in-vitro immunodiagnostic kits for:

- Drugs of Abuse Screening
- Specimen Validity Testing
- Serum Toxicology
- Therapeutic Drug Monitoring
- Immunosuppressant Diagnostics
- Endocrine Assavs
- MAS® Controls
- Instrumentation

The CEDIA® recombinant technology provides innovative, convenient, and easy-to-use products that offer high sensitivity for measurement of low concentration analytes. Additionally, these products feature linear calibration and consistent lot-to-lot reproducibility. CEDIA is a registered trademark of Roche Diagnostics; however, Microgenics is and always has been the only manufacturer and sole source provider of the CEDIA Drugs of Abuse and TDM product line worldwide.

Today, our proprietary DRI® products are at the leading edge of a new generation of testing solutions offering liquid, ready-to-use reagents with high analytical accuracy while eliminating time-consuming steps in reagent preparation. As new adulterant trends sweep through the testing pool, rely on



Microgenics' Detect® line of specimen validity tests. Our products are optimized for a wide range of analyzers and backed by exceptionally responsive technical support.

By understanding and responding to our customer's evolving needs, Microgenics is generating much of the industry momentum for bringing new diagnostic assays to market. Supported by one of the strongest research and development programs in the industry, we have leveraged our core technologies to develop highly compatible product platforms. Our customers benefit from the synergy offered by multiple technologies in drugs of abuse testing, therapeutic drug monitoring, endocrine function, and anemia diagnosis.

Creating Extraordinary Value through Innovation

A pioneer in the evolution of homogeneous immunoassays while maintaining focus and flexibility, Microgenics' proprietary product menu ranges from custom-packed assays for high-volume laboratories to Specialty Drugs of Abuse products that offer ease of use and reliable results resulting in Testing Program successes.

Drugs of abuse testing are becoming increasingly complex, making a complete solution all the more valuable. Fast . . . Unequalled specificity . . . Reliable . . . Microgenics offers the most extensive menu for drugs of abuse testing, and we continue to add new DAU assays to offer best-in-class solutions for today's drug screening challenges.

Listening to our customers... Focusing on their specific needs... Delivering custom solutions. This unique approach to product development is an important reason why - in a highly competitive industry - we maintain long-term relationships with our business partners.

Customer Responsive Innovations

A company founded on advanced technology, Microgenics continues to shape the future by working closely with our customers to develop robust and flexible diagnostic tools. Because Microgenics has always set the standard for innovation, our healthcare partners know we will be expanding the boundaries of immunodiagnostics. However, our emphasis is not simply on supplying new technology but applying it intelligently with reliable results.

In our industry, technology is important - but not as important as the people who expand its boundaries. At Microgenics, the emphasis is on creating an organization that encourages and rewards innovation. A stimulating professional environment serves as a powerful magnet, attracting world-class scientists who thrive on tackling challenges. At all levels of involvement, our team members are empowered to apply knowledge creatively thereby producing extraordinary value for our customers. An educated and motivated professional team has helped us achieve a reputation for customer satisfaction and loyalty.

Headquarters

Microgenics Corporation 46500 Kato Road Fremont, CA 94538 Tel: 1-800-232-3342

Parent Company

Thermo Fisher Scientific Inc. 81 Wyman Street Waltham, MA 02454 Tel: 781.622.1000

Organizational Overview

Microgenics is best known for our commitment to the "Value of Innovation", creating a leadership role in the developing and manufacturing of new immunoassays based on customer needs. Our first diagnostic products were marketed in 1986 based on our patented, bioengineered, and nonisotopic technology.

Microgenics began over 22 years ago, Founded in 1988 as a start-up business in Concord, CA

Microgenics Corporation

March 5, 2018



- 1992 Purchased by Boehringer Mannheim
- 1998 Roche purchased Boehringer Mannheim and Microgenics was divested per the FTC
- September 1998 Microgenics Corporation opened its doors for business
- June 1999 DRI, a separate company founded in the late 1980's, merged with DRI with Sybron/Apogent Technologies as parent company
- 2000 CASCO-NERL merged into Microgenics Corporation and moved to our corporate offices
- 2004 Apogent and Fisher Scientific merged. New parent company: Fisher Scientific
- 2005 Medical Analysis Systems merged into Microgenics Corporation and moved to our corporate offices
- 2006 Duke Scientific merged into Microgenics Corporation and moved to our corporate offices
- 2006 Thermo Electron and Fisher Scientific Stockholders Approve Merger. New parent company: Thermo Fisher Scientific
- 2009 Seradyn Inc., merged into Microgenics Corporation and moved to our corporate offices
- 2010 Capitol Vial Inc., transferred the customer service and order fulfillment of their toxicology consumables and supplies to Microgenics.

Microgenics Distribution Channels - Number of Employees

Worldwide manufacturing and distribution centers are located in Fremont, CA.

Domestic Offices: International Offices: Employees: 450+ Employees: 55+

2 Locations: Fremont & Osgood campuses 8 Locations World Wide

Company Growth Projections

Microgenics remains focused on the value of innovation by continuing to research, manufacture and distribute a wide range of quality products for human health care. We are the world leaders provide the most extensive product line of Drugs of Abuse Immunodiagnostic reagent kits, calibrators and controls. Our product offering is strengthened by the addition of the latest in CEDIA, DRI, MAS and Duke Scientific products. Microgenics continues to look to add new products to meet the changing needs of our customers. Serving customers through two premier brands, Thermo Scientific and Fisher Scientific, we help solve analytical challenges from routine testing to complex research and discovery. Together, we offer the most convenient purchasing options to customers and continuously advance our technologies to accelerate the pace of scientific discovery, enhance value for customers and fuel growth for shareholders and employees alike.

History of Innovation - Proven Track Record

Microgenics demonstrates a commitment to the drug testing market by offering screening reagents that no other manufacturer offers, such as 6-Acetylmorphine (Heroin Metabolite), Buprenorphine and Oxycodone. Microgenics offers the ability to meet the demands of the ever-changing illicit drug trade and usage in the U.S. This exemplifies our ability to meet the stringent demands of contracts such as the Department of Defense testing program. On a consistent and ongoing basis, Microgenics is the primary contractor for some of the largest independent SAMHSA laboratories in the U.S. Microgenics consistently demonstrates the ability to supply the needs of the federal government's most stringent drug testing programs. The diversity of government contract awards demonstrates Microgenics' ability to work with a variety of governmental agencies and their drug testing programs.

Microgenics Corporation has been awarded contracts for the Naval Medical Logistics/Department of Defense (DoD) testing laboratories, Department of Veterans Affairs, United States Pretrial and Probation, Georgia Bureau of Investigation, as well as various other local governments/



municipalities and large-scale commercial laboratories. In addition, Microgenics has contracts with various criminal justice/drug courts nationally.

Financial Strength and Stability

Microgenics is part of Thermo Fisher Scientific, the world leader in serving science.

Thermo Fisher Scientific (NYSE: TMO) is the world leader in serving science, enabling our customers to make the world healthier, cleaner and safer. With annual sales of more than \$9 billion, we employ 30,000 people and serve over 350,000 customers within pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions, government agencies as well as environmental and industrial process control settings. Serving customers through two premier brands, Thermo Scientific and Fisher Scientific, we help solve analytical challenges from routine testing to complex research and discovery. Thermo Scientific offers customers a complete range of high-end analytical instruments as well as laboratory equipment, software, services, consumables and reagents to enable integrated laboratory workflow solutions. Fisher Scientific provides a complete portfolio of laboratory equipment, chemicals, supplies and services used in healthcare, scientific research, safety and education. Together, we offer the most convenient purchasing options to customers and continuously advance our technologies to accelerate the pace of scientific discovery, enhance value for customers and fuel growth for shareholders and employees alike. Visit www.thermofisher.com.

We at Microgenics look forward to the opportunity to demonstrate the same high quality products and services in servicing the Missouri Department of Corrections.

Authorized Negotiators

Microgenics represents that the following persons are authorized to negotiate on its behalf with the Missouri Department of Corrections in connection with this solicitation:

Microgenics Corporation

46500 Kato Road

Fremont, CA 94538

Phone: 1-800-232-3342

Fax: 1-800-829-8115

Federal ID: 68-0418167

Remittance:

7055 Collection Center Dr.

Chicago, IL 66093

Contacts:

Stephanie Romanek, Sales Representative

1-502-529-9431 Phone

stephanie.romanek@thermofisher.com

March 5, 2018



Business Proposal

State of Missouri Laboratory Services, Drug Testing Request for Proposal (RFP) RFPS0034901801828

SCOPE:

Microgenics Corporation is pleased to present our response to State of Missouri's RFP for Laboratory Services, Drug Testing. It is with great anticipation that we look forward to the opportunity to continue a relationship with State of Missouri.

INSTRUMENT AND PRODUCT REQUIREMENTS:

Microgenics is proposing (2) refurbish Olympus AU2700 Chemistry-Immuno Analyzers and (2) New Aqua Solution Lab Water Systems; and a data management system Paracelsus. Included in our price per test for immunoassay reagents are (2) instruments, (2) lab water systems, a data management system, controls, calibrators, and consumables necessary to operate the analyzers; maintenance of the analyzers; and training will continue to be provided at no additional charge.

Pricing is firm for the duration of the contract to include the optional renewal periods.

1. Instrumentation and Reagents

Microgenics will ensure that the currently installed equipment will meet or exceed the requirements stated herein to accurately and efficiently analyze specimens over the life of this contract.

The following products are available from Microgenics:

	Drugs of Abuse	
6-Acetylmorphine (6-AM)	Cotinine (Nicotine)	Methaqualone
Amphetamines	Ecstasy	Opiates
Barbiturates	Ethyl Alcohol	Oxycodone
Benzodiazepines	Ethyl Glucuronide (ETG)*	Phencyclidine (PCP)
Buprenorphine	LSD	Propoxyphene
Cannabinoids (THC)	Methadone	Fentanyl
Cocaine Metabolite	Methadone Metabolite (EDDP)	Hydrocodone
		Spice
	Adulteration Tests	
Oxidants Detect	Gravity-Detect	,
Creatinine Detect	pH-Detect	
	Therapeutic Drug Monitoring	
Digoxin	Primidone	Total Thyroxine
Phenobarbital	T Uptake	Cyclosporine
	Serum Toxicology	
Acetaminophen	Benzodiazepine (Serum Assay)	Tricyclic Anti-Depressants
Barbiturates (Serum Assay)	Salicylate	

^{*}Pending FDA 510K approval



Microgenics Corporation Part of Thermo Fisher Scientific

Microgenics' DRI reagents and assays are a liquid, ready-to-use homogeneous enzyme immunoassay and are intended for the qualitative or semi quantitative determination of drugs in human urine.

The reagents provided by Microgenics will meet Food and Drug Administration (FDA) standards for testing at the prescribed cutoff levels identified in the RFP. Microgenics will supply bio-hazard information as Material Safety Data Sheets for all reagents and ancillary supplies and provide as part of the training specific bio-safety issues regarding specimen and reagent handling.

The assays provide a simple and rapid analytical screening procedure for detecting drugs in urine. The assays provide only a preliminary analytical test result. A more specific chemical method must be used in order to obtain a confirmed analytical result. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method. Clinical consideration and professional judgment should be applied to any drug of abuse test result, particularly when preliminary positive results are used.

Microgenics' assays use specific antibodies, which can detect drugs in urine with minimal cross-reactivity to various over-the-counter compounds. The assays are based on competition of a drug-labeled enzyme glucose-6-phosphate dehydrogenase (G6PDH). The free drug from the urine sample for a fixed amount of specific antibody binds the drug-labeled G6PDH and the enzyme activity it inhibited. This phenomenon creates a direct relationship between drug concentration in urine and the enzyme activity. The enzyme G6PDH activity is determined spectrophotometrically at 340 nm by measuring its ability to convert nicotinamide adenine dinucleotide (NAD) to NADH.

TRAINING:

Training is critical to the continued success of the State of Missouri Corrections

Department contract - Microgenics is responsible for providing all such training within the terms of this contract at no additional cost.

Microgenics will partner with the equipment manufacturers to provide training as follows: (1) Operational – Olympus AU2700 Or BA800 instrument training onsite, additional state agency personnel will be trained on-site; (2) Technical - how to use Microgenics' DRI® brand reagents on the Olympus AU2700 or BA800 instrument on-site and (3) Administrative – ACAT will provide training on how to use the data management system on site. This training will be conducted in conjunction with the delivery and installation of the Olympus AU2700 or BA800 instrument, water system, ACT Paracelsus data management system and Microgenics reagents and supplies. In each option year, State of Missouri may request Microgenics to provide on-site training to lab personnel at no cost.

IMPLEMENTATION SCHEDULE:

Current analyzers and water systems will need to be de-installed and to be replaced with new or refurbished analyzers and water systems.

MAINTENANCE AND SERVICE:



Microgenics Corporation

Part of Thermo Fisher Scientific

Microgenics will provide maintenance and repair service at no cost to the Missouri Department of Corrections. Technical support and maintenance, including preventive service maintenance (PM), will ensure continual proper operation of the currently installed equipment.

a. Technical Service

Our experienced Technical Service team has earned an industry-wide reputation for their accessibility and problem-solving tenacity. They are experts in laboratory technology and are available to assist with technical and product performance 24 hours a day/7 days a week by calling our toll-free number. Our Field Technical Service professionals will oversee the installation of equipment, product menu installation, staff training, and assistance with validation/correlation studies. Our Field Technical Service team works in tandem with our in-house technical service, customer service and end-user customers to ensure ongoing drug testing operations.

Microgenics will provide 24-hour technical support by telephone.

b. Repairs

Microgenics will provide unlimited visits to equipment installation site and all necessary parts to restore the equipment to manufacturer's operating specifications. A technical representative will be at the installation site within one to two working days after determining that such onsite repair is necessary. Repair service calls will ordinarily be performed during regular business hours, Monday through Friday, excluding holidays, from 8:00 a.m. to 5:00 p.m.

c. Preventive Maintenance (PM)

Microgenics shall perform PM services two times per year from 8:00 a.m. to 5:00 p.m., Monday through Friday, excluding holidays. All labor, travel and PM parts are included. PMs will be performed at a date mutually agreed upon between Microgenics and customer.

CUSTOMER SERVICE:

Our Customer Service Department is open from 7:00 a.m. to 5:00 p.m. Pacific Time Monday through Friday to process product orders. You may place your order by telephone, fax, e-mail, or US Mail. Emergency orders outside of these business hours may be called into the Microgenics Technical Service Department. Urgent EDI orders should be suppressed in your EDI system and called into our Customer Service Department before 12:00 p.m. Pacific Time for immediate processing. EDI transactions require format validation and set up.

GUARENTEED DELIVERY:

Product orders are normally shipped Monday through Thursday, within 2 days after receipt of order. Priority overnight service is also offered at no additional fee. Friday shipments for Saturday delivery require special arrangements.

KEY PERSONNEL:

Microgenics designates **Stephanie Romanek**, **Sales Representative**, to serve as the point-of-contact for the duration of the contract. Stephanie has extensive experience in



Microgenics Corporation Part of Thermo Fisher Scientific

effectively managing projects of this nature and is available to discuss and resolve all issues related to contract administration. She will also ensure compliance to the requirements of the contract. Service Engineers that will coordinate the on-site installation with the equipment companies.

Authorized Negotiators

Microgenics represents that the following persons are authorized to negotiate on its behalf with the Missouri Department of Corrections in connection with this solicitation:

Microgenics Corporation

46500 Kato Road Fremont, CA 94538

Phone: Fax:

1-800-232-3342

1-800-829-8115

Federal ID: 68-0418167

Remittance:

7055 Collection Center Dr.

Chicago, IL 66093

Contacts:

Stephanie Romanek, Sales Representative

1-502-529-9431 Phone

stephanie.romanek@thermofisher.com

Thermo Fisher

SECTION V Committed Products Addendum

Microgenics Corporation

46500 Kato Road, Fremont, CA 94538 Technical/Customer Service: 800-232-3342

Customer: MO Dept of Corrections

Contract Length (Months): 60

Total Annual Tests: 845,028

Estimated Annual \$*: \$225,321
(*Annual \$ includes estimated calibration)
(**Term Total includes 0 % Annual Price Increase)

	100108	Heroin (6AM) Metabolite	12		695	\$174.00	***	\$174	
		65mL			093	\$174.00	\$0.250	\$114	\$87
Alaahal	100107	Heroin (6AM) Metabolite 3X17mL No Barcode	12		552	\$138.00	\$0.250	\$138	\$69
Alcohol	0037	Alcohol (Ethyl) 100mL	12	1	1,237	\$309.00	\$0.250	\$309	\$1,54
Alcohoi	0038	Alcohol (Ethyl) 500mL	12	. 72 T + 4	6,237	\$1,559.00	\$0.250	\$1,559	\$7,79
Amphetamine	0017	Amphetamine 100mL	121,152	113	1,076	\$269.00	\$0.250	\$30,397	\$151, <u>9</u> 8
Amphetamine	0018	Amphetamine 500mL	12	1	5,423	\$1,356.00	\$0,250	\$1,356	\$6,78
Barbiturate	0225	Barbiturate 100mL	12	1	1,076	\$269,00	\$0.250	\$269	\$1,34
Barbiturate	0911	Serum/Urine Barbiturate Tox	12	1	107	\$27.00	\$0.250	\$27	\$13
Barbiturate	0226	Barbiturate 500mL	12	1	5,423	\$1,356.00	\$0.250	\$1,356	\$6,78
Benzodiazepine	0039	Benzodiazepine 100mL	75,168	70	1,076	\$269.00	\$0.250	\$18,830	\$94,15
• • •	0040	Benzodiazepine 500mL	12	1	5,423	\$1,356.00	\$0.250	\$1,356	\$6,78
	100240	Buprenorphine 65mL	12	. 1	695	\$174.00	\$0.250	\$174	\$87
	100190	Buprenorphine 3X17mL	12	1	552	\$138.00	\$0.250	\$138	\$69
	10020850	Buprenorphine II 65mL	12	10000	774	\$194.00	\$0.250	\$194	\$97
	0055	Cocaine 100mL	121,140	113	1,076	\$269.00	\$0.250	\$30,397	\$151,98
	0056	Cocaine 500mL	12		5,423	\$1,356.00	\$0.250	\$1,356	\$6,78
	0394	Cotinine 100mL	12	1	1,076	\$269.00	\$0.250	\$269	\$1,34
76-75	0395	Cotinine 500mL	12	10.000	5,423	\$1,356.00	\$0.250	\$1,356	\$6,78
	1797	Creatinine 500mL	122,772	21	5,870	\$939.00	\$0.160	\$19,719	\$98,59
oservich topic v	100075	Ecstasy 100mL	12		1,076	\$269.00	\$0.250	\$269	\$1,34
	100076	Ecstasy 500mL	12	1	5,423	\$1,356.00	\$0.250	\$1,356	\$6,78
Table 1 To the second	100115	Methadone Metabolite 100mL	12	. 60.5974	1,076	\$269.00	\$0.250	\$269	\$1,34
/ / / /	100116	Methadone Metabolite 500mL	12	1	5,423	\$1,356.00	\$0.250	\$1,356	\$6,78
52 9 375 Sec. 5 13	10015893	EtG Ethylglucuronide 500mL CJF	12		7,676	\$1,919.00	\$0.250	\$1,919	\$9,59
ETG	10015894	EtG Ethylglucuronide 68mL CJF	74,460	80	940	\$235,00	\$0.250	\$18,800	\$94,00
Fentanyl	10016005	Fentanyl 500mL CJF	12	1	6,653	\$2,994.00	\$0.450	\$2,994	\$14,97
General Oxidant	10009958	General Oxidant 500mL	121,224	21	6,048	\$968.00	\$0.160	\$20,328	\$101,64
Hydrocodone	10018053	Hydrocodone 500mL	12	1	6,560	\$2,952.00	\$0,450	\$2,952	\$14,76
	0596	Methadone 100mL	12	1	1,076	\$269.00	\$0.250	\$269	\$1,34
Methadone	0597	Methadone 500mL	. 12	1	5,423	\$1,356.00	\$0.250	\$1,356	\$6,78
Methaqualone	0514	Methaqualone 100mL	12	1	1,076	\$269.00	\$0.250	\$269	\$1,34
· · · · · · · · · · · · · · · · · · ·	0515	Methaqualone 500mL	12	. 1	5,423	\$1,356.00	\$0.250	\$1,356	\$6,78
· · · · · · · · · · · · · · · · · · ·	0135	Opiate 100mL	12	1	1,076	\$269.00	\$0.250	\$269	\$1,34
	0136	Opiate 500mL	12	1	5,423	\$1,356.00	\$0.250	\$1,356	\$6,78
	100249	Oxycodone 500mL	12	1	5,423	\$1,356.00	\$0.250	\$1,356	\$6,78
	100248	Oxycodone 70mL	12	. 1	664	\$166.00	\$0.250	\$166	\$83
	0160	PCP (Phencyclidine) 100mL	81,240	76	1,076	\$269.00	\$0.250	\$20,444	\$102,22
	0161	PCP (Phencyclidine) 500mL	12	1		\$1,356.00	\$0.250		\$6,78
	100054	pH Detect 500mL	6,228	2	6,048	\$968.00	\$0.160	\$1,936	\$9,68
2.70	0432	PPX (Propoxyphene) 100mL	12		1,076	\$269.00	\$0.250		\$1,34
'''	0433	PPX (Propoxyphene) 500mL	12	1	5,423	\$1,356.00	\$0.250		\$6,78
200000 0 0 0 0	1194	Specific Gravity Detect 500mL	12		5,544	\$887.00	\$0.160		\$4,43
Synthetic Cannabinoids	10022977	AB-PINACA 65mL	12	1	726	\$653.00	\$0.900	\$653	\$3,26
the state of the s	10022955	UR-144/XLR-11 65mL	12	1	726	\$653.00	\$0.900	\$653	\$3,26
	0185	THC (Cannabinoids) 100mL	121,200	113	1,076	\$269.00	\$0.250	\$30,397	\$1 51,98
10 , 10 1 1 1	0186	THC (Cannabinoids) 500mL	12	1	5,423	\$1,356.00	\$0.250	\$1,356	\$6,78

Committed Products Addendum Page 1 of 5



SECTION VI Catalog Price Addendum

Microgenics Corporation

46500 Kato Road, Fremont, CA 94538 Technical/Customer Service: 800-232-3342

Customer: MO Dept of Corrections

Primary Instrument: Olympus AU2700

Annual Testing Volume: 845,028

DRI DRUGS OF ABUSE PRODUCTS

DRI DRUGS OF ABUSE ASSAYS

DRI DAU CALIBRATORS

						LIBRATORS		
Cat#	Prod Desc	Kit Size	# Test/Kit	5/Kit	Cat#	Prod Desc	Kit Sizo	\$/K1t
0037	Alcohol (Ethyl) 100mL *	100mL	1237	\$309.00	1406	Alcohol (Ethyl) 100mg/dL Cal 25mL	25mL	\$0.0
0038	Alcohol (Ethyl) 500mL *	500mL	6237	\$1,559.00	0241	Alcohol (Ethyl) 100mg/dL Cal 5mL	5mL	\$0.0
0017	Amphetamine 100mL *	100mL	1076	\$269.00	1405	Alcohol (Ethyl) Negative Cal 25mL	25mL	\$0.0
0018	Amphetamine 500mL *	500mL	5423	\$1,356.00	0311	Alcohol (Ethyl) Negative Cal 5mL	5mL	\$0.0
0225	Barbiturate 100mL *	100mL	1076	\$269.00	0404	Cotinine Cal Set	6x5mL	\$0.0
0226	Barbiturate 500mL *	500mL	5423	\$1,356.00	100079	Ecstasy 1000ng/mL Cal	10mL	\$0.0
0039	Benzodiazepine 100mL *	100mL	1076	\$269.00	100082	Ecstasy 250ng/mL Cal	10mL	\$0.0
0040	Benzodiazepine 500mL *	500mL	5423	\$1,356.00	100081	Ecstasy 500ng/mL Cal	10mL	\$0.0
0055	Cocaine 100mL *	100mL	1076	\$269.00	100080	Ecstasy 750ng/mt_Cal	10mL	\$0.0
0056	Cocaine 500mL *	500mL	5423	\$1,356.00	10015932	EtG Ethyglucuronide Negative Cal CJF	25mL	\$0.0
0394	Cotinine 100mL *	100mL	1076	\$269.00	10015938	EtG Ethylglucuronide 1000ng/mL Cal CJF	10mL	\$0.0
0395	Cotinine 500mt. *	500mL	5423	\$1,356.00	10015933	EtG Ethylglucuronide 100ng/mL Cal CJF	10mL	\$0.0
100075	Ecstasy 100mL *	100mL	1076	\$269.00	10015940	EtG Ethylglucuronide 2000ng/mL Cal CJF	10mL	\$0.0
100076	Ecstasy 500mL*	500mL	5423	\$1,356.00	10015935	EtG Ethylglucuronide 500ng/mL Cal CJF	10mL	\$0.0
10024631	Ecstasy Plus 500mL	500mL	0	\$7,999.99	10016023	Fentanyi 2ng/mL Cal CJF	10mL	\$0.0
10015893	EtG Ethylglucuranide 500mL CJF *	500mL	8048	\$1,919.00	10018082	Hydrocodone 1000ng/mL Cal	10mL	\$0.0
10015894	EtG Ethylglucuronide 68mL CJF *	68mL	985	\$235.00	10018079	Hydrocodone 100ng/mL Cal	10mL	\$0.0
10016005	Fentanyi 500ml, CJF *	500mL	6653	\$2,994.00	10018080	Hydrocodone 300ng/mL Cal	†DmL	\$0.0
10018053	Hydrocodone 500mL *	500mL	6653	\$2,952.00	10018081	Hydrocodone 500ng/mL Cal	10mL	\$0.0
0596	·	100mL	1076	\$269.00	100120	Methadone Metabolite 1000ng/mL Cal	10mL	\$0.0
	Methadone 100mL *						 	
0597	Methadone 500mL*	500mL	5423	\$1,356.00	100117	Methadone Metabolite 150ng/mL Cal	10mL	\$0.0
100115	Methadone Metabolite 100mL *	100mL	1076	\$269.00	100122	Methadone Metabolite 2000ng/mL Cal	10mL	\$0.0
100116	Methadone Metabolite 500mL *	500mL	5423	\$1,356.00	100118	Methadone Metabolite 300ng/mL Cal	10mL	\$0.0
0514	Methaguaione 100mL *	100mL	1076	\$269.00	1588	Multi Drug Urine 1 Cal 10mL	10mL	\$0.0
0515	Methaqualone 500mL *	500mL	5423	\$1,356.00	1589	Multi Drug Urine 1 Cal 25mL	25mL	\$0.0
0135	Opiate 100mL *	100mL	1076	\$269.00	1592	Multi Drug Urine 2 Cal 25mL	25mL	\$0.0
0136	Opiate 500mL *	500mL	5423	\$1,356.00	1594	Multi Drug Urine 3 Caf 10mL	10mL	\$0.0
100249	Oxycodone 500mL *	500mL	5423	\$1,356.00	1595	Multi Drug Urine 3 Cal 25mL	25mL	\$0.0
100248	Oxycodone 70mL *	70mL	673	\$166.00	1597	Multi Drug Urine 4 Cal 10mL	10mL	\$0.0
D160	PCP (Phencyclidine) 100mL *	100mL	1076	\$269.00	1598	Multi Drug Urine 4 Cal 25mL	25mL	\$0.0
0161	PCP (Phencyclidine) 500mL *	500mL	5423	\$1,356.00	1591	Mutti Drug Urine 2 Cal 10mL	10mL	\$0.0
0432	PPX (Propoxyphene) 100mL *	100mL	1076	\$269.00	1609	Opiate 150ng/mL Cal 25mL	25mL	\$0.0
0433	PPX (Propoxyphene) 500mL *	500mL	5423	\$1,356.00	1610	Opiate 500ng/mL Cal 25mL	25mL	\$0.0
0185	THC (Cannabinoids) 100mL *	100mL	1076	\$269.00	100253	Oxycodone 1000ng/ml. Cal	10mL	\$0.0
0186	THC (Carinabinoids) 500mL *	500mL	5423	\$1,356.00	100250	Oxycodone 100ng/mL Cal	10mL	\$0.0
					100251	Oxycodone 300ng/mL Cat	10mL	\$0.0
					100252	Oxycodone 500ng/mL Cal	10mL	\$0.0
				İ	10024403	pH Detect 4 & 11 SAMSHA Calibrator	2x25mL	\$0.0
					0044	THC (Cannabinoids) 100ng/mL Cal 5mL	5mL	\$0.0
					1400	THC (Cannabinoids) 200ng/mL Cal 25mL	25mL	\$0.0
					0206	THC (Cannabinoids) 200ng/mL Cal 5mL	5mL	\$0.0
		İ	ì	}	1397	THC (Cannabinoids) 20ng/mL Cal 25mL	25mL	\$0.0
					0235	THC (Cannabinoids) 20ng/ml. Cal 5mL	5mL	\$0.0
					1398	THC (Cannabinoids) 50ng/mL Cal 25mL	25mL	\$0.0
			1		0042	THC (Cannabinoids) 50ng/mL Cal 5mL	5mL	\$0.0
			1		1399	THC (Cannbinoids) 100ng/mL Cal 25mL	25mL	\$0.0
			1	ļ	0036	Urine High Cal	5mL	\$0.0
			1		0034	Urine Low Cal	5mL	\$0.0
]	1664	Urine Negative Cal DRI 10mL	10mL	\$0.0
				ŀ	1388	Urine Negative Cal DRI 25mL	25mL	\$0.0

Catalog Price Addendum Page 2 of 5

DRI DAU CONTROLS

Cat#	Prod Desc	Kit Size	\$/Kit
0243	Alcohol (Ethyl) 300mg/dL Control 5mL	5mL	\$0.00
0239	Alcohol (Ethyl) 50mg/dL Control 5mL	5mL	\$0.00
0460	Cotinine Control 300ng/mL	5mL	\$0.00
0470	Cotinine Control 700ng/mL	5mL	\$0.00
10015939	EtG Ethylglucuronide 1250ng/mL Control CJF	25mL	\$0.00
10015934	EtG Ethylglucuronide Control 375ng/mL CJF	25mL	\$0.00
10015936	EtG Ethylglucurenide Control 825ng/mL CJF	25mL	\$0.00
10015937	EtG Ethylglucuronide Control 750ng/miL CJF	25mL	\$0.00
10016022	Fentanyi 1ng/mL Control CJF	10mL	\$0.00
10016024	Fentanyl 3ng/mL Control CJF	10mL	\$0.00
10018149	Hydrocodone 225ng/mL & 375ng/mL Control Set	10mL	\$0.00
100254	Oxycodone 100ng/mL Cutoff Control	10mL	\$0.00
100255	Oxycodone 300ng/mL Cutoff Control	10mL	\$0.00
1404	THC (Cannabinoids) 125ng/mL Control 25mL	25mL	\$0.00
0212	THC (Cannabinoids) 125ng/mL Control 5mL	5mL	\$0.00
1401	THC (Cannabinoids) 40ng/mL Control 25mL	25ml.	\$0.00
0170	THC (Cannabinoids) 40ng/mL Control 5mL	5mL	\$0.00
1402	THC (Cannabinoids) 60ng/mL Control 25mL	25mL	\$0.00
0168	THC (Cannabinoids) 60ng/mL Control 5mL	5mL	\$0.00
0214	THC (Cannabinoids) 75ng/mL Control 5mL	5mL	\$0.00

Customer Signature/Date:		Date Printed:	3/5/2018
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Catalog Price Addendum Page 3 of 5

ThermoFisher

SECTION VI Catalog Price Addendum

Microgenics Corporation

Prod Desc

AB-PINACA 100ng/mL Cal

AB-PINACA 20ng/mL Cal

AB-PINACA 50ng/mL Cal

46500 Kato Road, Fremont, CA 94538 Technical/Customer Service: 800-232-3342

Kit Size

\$0.00

\$0.00

\$0.00

1x5mL

1x5mL

1x5mL

Customer: MO Dept of Corrections

Primary Instrument: Olympus AU2700

Annual Testing Volume: 845,028

CEDIA DRUGS OF ABUSE PRODUCTS

CEDIA DRUGS	OF	ABUSE	ASSAY	S
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CEDIA DE	RUGS OF ABUSE ASSAYS				CEDIA DAI
€at#	Prod Desc	Kit Size	# Test/Kit	S/KR	Cat#
10022977	AB-PINACA 65mL *	65mL	726	\$653.00	10022934
100104	Amphetamine/Ecstasy 3X17mL	TSC	519	\$899.99	10022932
100040	Amphetamine/Ecstasy 495mL	LC	5423	\$5,859.99	10022933
100103	Amphetamine/Ecstasy 65mL	MCC	695	\$939.99	10022931
100084	Barbiturate 3X17mL	TSC	552	\$138.00	10022930
1661213	Barbiturate 495mL	LC	5423	\$1,355.75	100241
100093	Barbiturate 65mL	MCC	695_	\$173.75	100243
100085	Benzodiazepine 3X17mL	TSC	552	\$138.00	100244
1775561	Benzodiazepine 495mL	LC	5423	\$1,355.75	100242
100094	Benzodiazepine 65mL	MCC	695	\$173.75	100245
100190	Buprenorphine 3X17mL *	TSC	519	\$138.00	10020802
100240	Buprenorphine 65ml. *	MCC	631	\$174.00	10020799
10020850	Buprenorphine It 65mL *	65mL	774	\$194.0D	10020800
100086	Cocaine 3X17mL	TSC	519	\$129.75	10020801
1661230	Cocaine 495mL	LC	5423	\$1,355.75	10021390
100095	Cocaine 65mL	MCC	695	\$173.75	100031
100107	Heroin (6AM) Metabolite 3X17mL No	TSC	552	\$138.00	100034
400400	Barcode *	3X17mL LC 495mL	5423	#4 255 75	1732153
100186 100108	Heroin (6AM) Metabolite 495mL Heroin (6AM) Metabolite 65mL *	MCC	695	\$1,355.75 \$174.00	1732196
100108	Heroiri (GAMI) Wetabolite GSINL	65mL	095	3174.00	1732161
1732137	LSD 18mL	SC - 18mL	5423	\$ 549.99	10014951
100088	Methadone 3X17mL	TSC	552	\$138.00	10014950
1730916	Methadone 495mL	ιc	5423	\$1,355.75	1732226
100097	Methadone 65mL	MCC	695	\$173.75	1730398
100087	Methadone Metabolite 3X17mL	TSC	552	\$138.00	1732218
1868217	Methadone Metabolite 495ml.	LC	5423	\$1,355.75	1730380
100096	Methadone Metabolite 65mL	MCC	695	\$173.75	100033
1815296	Opiate 2000 495mL	LC	5423	\$1,355.75	10014955
100099	Opiate 2000 65mL	MCC	695	\$173.75	10014954
100089	Opiate 3X17mL	TSC	_ 552	\$138.00	1815334
1661248	Opiate 495mL	LC	5423	\$1,355.75	1815326
100098	Opiate 65mL	мсс	695	\$173.75	1730401
100172	PCP (Phencyclidine) 3X17mL	TSC	552	\$138.00	1730428
1815784	PCP (Phencyclidine) 495mL	LC	5423	\$1,355.75	1730517
100173	PCP (Phencyclidine) 65mL	MCC	695	\$173.75	10022355
100170	PPX (Propoxyphene) 3X17mL	TSC	552	\$138.00	1662848
1661523	PPX (Propoxyphene) 495mL	LC	5423	\$1,355.75	1662864
100171	PPX (Propoxyphene) 65mL	MCC	695	\$173.75	1662856
100091	THC (Cannabinoids) 3X17mL	TŞC	552	\$138.00	1557530
1661256	THC (Cannabinoids) 495mL	LC	5423	\$1,355.75	1557548
100100	THC (Cannabinoids) 65mL	MCC	695	\$173.75	1557505
10022955	UR-144/XLR-11 65mL *	65mL	726	\$653.00	1557503
					,357570

MAC	TOYICOL	OGV.	CONTROLS

Cat#	Prod Desc	Kit Size	S/Kit
DOAT-1	DOA TOTAL L1 MAS	6x18mi_	\$0.0
DOAT-2	DOA TOTAL L2 MAS	6x18mL	\$0.0
DOAT-3	DOA TOTAL L3 MAS	6x18mL	\$0.0
DOAT-4	DOA TOTAL L4 MAS	6x18mL	\$0.0
DOAT-5	DOA TOTAL L5 MAS	6x18mL	\$0.0
DOAT-6	DOA TOTAL L6 MAS	6x18mL	\$0.0
DOAT-MP	DOA TOTAL MP MAS	6x18mL 1 lev ea	\$0.0
LIG-101	Kit Liquimmune L1 MAS	6x5mL	\$0.0
LIG-202	Kit Liquimmune L2 MAS	6x5mL	\$0.0
LIG-303	Kit Liquimmune L3 MAS	6x5mL	\$0.D
PTD1-1001	Kit PAR TDM L1 MAS	6x5mL	\$0.0
PTD2-2002	KILPAR TOM L2 MAS	6x5mL	\$0.0
PTD3-3003	Kit PAR TDM L3 MAS	6x5mL	\$0.0
10011608	Kit Tox Ctrl MP MAS	6x5mL	\$0.0

4	10022933	AB-PINACA 50ng/mL Cal	1x5mL	\$0.00
1	10022931	AB-PINACA 5ng/mL Cal	1x5mL	\$0.00
1	10022930	AB-PINACA Negative III Cal	1x10mL	\$0.00
	100241	Buprenorphine Ong/mL Cal	7.5mL	\$0.00
1	100243	Buprenorphine 20ng/mL Cal	5mL	\$0.00
1	100244	Buprenorphine 50ng/mL Cal	5mL	\$0.00
1	100242	Buprenorphine 5ng/ml Cal	5mL	\$0.00
1	100245	Buprenorphine 75ng/mL Cal	5mL	\$0.00
1	10020802	Buprenorphine II 100ng/mL Cal	1x5mL	\$0.00
1	10020799	Buprenorphine II 10ng/mL Cal	1x5mL	\$0.00
1	10020800	Buprenorphine II 20ng/mL Cal	1x5mL	\$0.00
1	10020801	Buprenorphine II 50ng/mL Cal	1x5mL	\$0.00
1	10021390	Buprenorphine II Negative Cal	1x17mL	\$0.00
1	100031	Негоіл (6AM) 10ng Cutoff Cal	5mL	\$0.00
1	100034	Heroin (6AM) 20ng High Cal	5mL	\$0.00
1	1732153	LSD Cut Off Cal	5mL	\$0.00
1	1732196	LSD High Cal	5mL	\$0.00
ľ	1732161	LSD Intermediate Cal	5mL	\$0.00
┨	10014951	Methamphetamine Oral Fluid 40ng/mL	5mL	\$0.00
1	.3014351	Cutoff Cal		\$0.00
\mathbf{I}	10014950	Methamphetamine Oral Fluid Negative Cal	10mL	\$0.00
ł	1732226	Multi Drug High Cal 15mL	15mL	\$0.00
ł	1730398	Multi Drug High Cal 5mL	5mL	\$0.00
4	1732218	Multi Drug Intermediate Cal 15mL	15mL	\$0.00
4	1730380	Multi Drug Intermediate Cal 5mL	5mL	\$0.00
4	100033	Multi Drug Optional Cal 5mL	5mL	\$0.00
4	10014955	Multi Drug Oral Fluid Cutoff Cal	10mL	\$0.00
4	10014954	Multi Drug Oral Fluid Negative Cal	20mL	\$0.00
4	1815334	Multi Drug Primary Cal 15mL	15mL	\$0.00
1	1815326	Multi Drug Primary Cal 5mL	5mL	\$0.00
4	1730401	Multi Drug Primary-Clinical Cal 5mL	5mŁ	\$0.00
4	1730428	Multi Drug Secondary Cal 5mL	5mL	\$0.00
4	1730517	Multi Drug Secondary Cutoff Cal 15mL	15mL	\$0.00
1	10022355	Multi-Drug Oral Fluid Cutoff Set B Cat	10mL	\$0.00
1	1662848	PPX / Methadone Cutoff Cal	5mL	\$0.00
	1662864	PPX / Methadone High Cal	5mL	\$0.00
	1662856	PPX / Methadone Intermediate Cal	5mL	\$0.00
	1557530	THC (Cannabinoids) 100ng/mL Cal	15mL	\$0.00
1			15mL	\$0.00
1	1557548	THC (Cannabinoids) 150ng/mL Cal		
	1557505	THC (Cannabinoids) 25ng/mL Cal	15mL	\$0.00
_	1557513	THC (Cannabinoids) 50ng/mL Cal	15mL 15ml	\$0.00
L	1557521	THC (Connebinate) Oral Fluid (Append)	15mL	\$0.00
Ĭ	10014923	THC (Cannabinoids) Oral Fluid (1ng/mL) Cutoff Cal	JIIIL	\$0.00
1	10014922	THC (Cannabinoids) Oral Fluid Negative Cal	10mL	\$0.00
]	10022754	UR-144 10ng/mL Cal	1x5mL	\$0.00
]	10022755	UR-144 20ng/mL Cal	1x5mL	\$0.00
]	10022756	LiR-144 40ng/mL Cal	1x5mL	\$0.00
4	10022759	UR-144 60ng/mL Cal	1x5mL	\$0.00
1	10022753	UR-144 Negative II Cal	1x10mL	\$0.00
1	1661388	Urine Negative Cal CEDIA 15mL	15mL	\$0.00
	1557416	Urine Negative Cal CEDIA 5mL	5mL	\$0.00

CEDIA DAU CONTROLS

Cat#	Prod Desc	Kit Size	\$/Kit
10022935	AB-PINACA 10ng/mL (Low) & 30ng/mL (High) Control set	2x5mL	\$0.00
100246	Buprenorphine Control Set 3ng to 7ng	2x5mL	\$0.00
10020804	Buprenorphine II Control Set 7.5ng/mL and 12.5ng/mL	2x5mL	\$0.00
10022358	CEDIA Multi-Drug Oral Fluid Control Set B	2x15mL	\$0.00
10014953	Methamphetamine Oral Fluid 20ng/mL & 60ng/mL Control Set	2x10mL	\$0.00
10014957	Multi Drug Oral Fluid Control Set	2x15mL	\$0.00
1815440	815440 Multi Drug Specialty Control Set		\$0.00
1661060	THC (Cannabinoids) 100 Control Set 2x15mL (75ng/mL & 125ng/mL)		\$0.00
1661086	THC (Cannabinoids) 25 Control Set (18.75ng/mL & 31.25ng/mL)	2x15mL	\$0.00
1661078	THC (Cannabinoids) 50 Control Set (37.5ng/ml, & 62.5ng/ml.)	2x15mL	\$0.00
10014925	THC (Cannabinoids) Oral Fluid (0.5ng & 1.5ng) Control Set	2x10mL	\$0.00
10022760	UR-144 5ng/mL(low) &15ng/mL (High) Control Set	2x5mL	\$0.00

DAU SPECIALTY PRODUCTS

Cat#	Prod Desc	Kit Size	S/Kit
127680	Beta-Glucuronidase	5mL	\$324,99

CEDIA/DRI MULTI-DRUG DAU CONTROL SETS

Cat #	Prod Desc	Kit Size	\$/Kit
100201	Multi Drug Clinical Control Set	3x5mL	\$0.00
100069	Multi Drug Optional Control Set	2x5mL	\$0.00
100200	Multi Drug Primary Control Set	3x5mL	\$0.00
100202	Multi Orug Select Control Set	3x5mL	\$0.00

Customer Signature/Date:		Date Printed:	3/5/2018
Customer bignature bate.		Date i inited.	6, G, ZC 10

EXHIBIT B

CURRENT / PRIOR EXPERIENCE

The offeror should copy and complete this form for each reference being submitted as demonstration of the offeror and subcontractor's prior experience. In addition, the offeror is advised that if the contact person listed for the reference is unable to be reached during the evaluation, the listed experience may not be considered.

Offeror/Subcontractor Name:	Microgenics Corporation
	Reference Information (Prior Services Performed For :)
Name of Reference Company/Client:	State of Rhode Island
Address of Reference Company/Client:	One Capitol Hill Providence, RI 02908
Reference Contact Person Name, Phone #, and E-mail Address:	Wally Falkowski Urinalysis Administrator 401-462-0975 Wally.Falkowski@doc.ri.gov
Title/Name of Service/Contract	Contract Number: 75550685
Dates of Service/Contract:	
✓	
Size of Service/Contract (in terms of offeror's total amount of business)	
Description of Services Performed, such as:	
 ✓ Population Served ✓ Type of Services Performed ✓ Geographic Area Served ✓ Offeror's specific duties and strategic objective 	 Pre-employment, Correctional, Treatment Agencies, Pain Clinics, Methadone Clinics Toxicology Reference Laboratory National Toxicology Reference Laboratory
Personnel Assigned to Service/Contract (include position title):	Brenda Collum, Sales Representative; Flo Hockin, National Field Service Manager
Attach sample of results/work, if applicable the contact person for the reference	e provided above, my signature below verifies that the information presented on this form is accurate

As the contact person for the reference provided above, my signature below verifies that the information presented on this form is accurate. I am available for contact by the State of Missouri for additional discussions regarding my/my company's association with the offeror referenced above:

anature form original contract award still applies	
Signature of Reference Contact Person	Date of Signature

EXHIBIT B



CURRENT / PRIOR EXPERIENCE

The offeror should copy and complete this form for each reference being submitted as demonstration of the offeror and subcontractor's prior experience. In addition, the offeror is advised that if the contact person listed for the reference is unable to be reached during the evaluation, the listed experience may not be considered.

Offeror/Subcontractor Name:	Microgenics Corporation
	Reference Information (Prior Services Performed For:)
Name of Reference Company/Client:	Arkansas Community Corrections
Address of Reference Company/Client:	105 West Capitol, 3rd floor Little Rock, AR 72201
Reference Contact Person Name, Phone #, and E-mail Address:	Mike Thomas Director of field services 870-715-5991 mike.thomas@arkansas.gov
Title/Name of Service/Contract	Contract Number: 4600034598
Dates of Service/Contract:	
Size of Service such as: Number of Individuals Being Served Total Annual Value/Volume	
Size of Service/Contract (in terms of offeror's total amount of business)	
Description of Services Performed, such as: Population Served Type of Services Performed Geographic Area Served Offeror's specific duties and strategic objective	 Pre-employment, Correctional, Treatment Agencies, Pain Clinics, Methadone Clinics Toxicology Reference Laboratory Nationwide National Toxicology Reference Laboratory
Personnel Assigned to Service/Contract (include position title):	Terry Walser, Sales Representative; Flo Hockin, National Field Service Manager
Attach sample of results/work, if applicable	

As the contact person for the reference provided above, my signature below verifies that the information presented on this form is accurate. I available for contact by the State of Missouri for additional discussions regarding my/my company's association with the offeror renced above:

Signature from original contract award still applies

Signature of I	Reference	Contact	Person
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EXHIBIT B

CURRNET / PRIOR EXPERIENCE

The offeror should copy and complete this form for each reference being submitted as demonstration of the offeror and subcontractor's prior experience. In addition, the offeror is advised that if the contact person listed for the reference is unable to be reached during the evaluation, the listed experience may not be considered.

Offeror/Subcontractor Name:	Microgenics Corporation
	Reference Information (Prior Services Performed For:)
Name of Reference Company/Client:	Hawaii Department of Public Safety
Address of Reference Company/Client:	919 Ala Moana Blvd., Rm405 Honolulu, HI 96814
Reference Contact Person Name, Phone #, and E-mail Address:	Gina Kaniaupio Procurement and Supply Specialist 808-861-0599
	gina.m.kaniaupio@hawaii.gov
Title/Name of Service/Contract	Contract Number: PSD 16-CPS/SA-01
Dates of Service/Contract:	
Size of Service such as: ✓ Number of Individuals Being Served ✓ Total Annual Value/Volume	
Size of Service/Contract (in terms of offeror's total amount of business)	
Description of Services Performed, such as: Population Served Type of Services Performed Geographic Area Served Offeror's specific duties and strategic objective	 Pre-employment, Correctional Facilities, Intake Service Center, Toxicology Reference Laboratory Islands of Oahu, Hawaii, Maui, and Kauai
Personnel Assigned to Service/Contract (include position title):	Kirk Chelquist Sales Representative; Flo Hockins, National Field Service Manager
Attach sample of results/work, if applicable	e provided above, my signature below verifies that the information presented on this form is accurate

available for contact by the State of Missouri for additional discussions regarding my/my company's association with the offeror erenced above

_Signature from original contract award still applies	
Signature of Reference Contact Person	Date of Signature



Personnel Qualifications

We would like to present the Microgenics Contract Team:

Stephanie Romanek is our Sales Representative who will be responsible for establishing pricing based on your volumes. She has 4 years as a professional sales representative in the laboratory diagnostics industry. She holds BA in Sociology/Psychology degree from the Southern Nazarene University, Masers in Science in Social Work from Kent School of Social Work from University of Louisville and has a Post Masters Fellowship from Yale University School of Medicine. Stephanie is available to discuss the administration of your contract and represents Microgenics Corporation in all contract and pricing negotiations.

Flo Hockin is our National Field Service Manager and has 24 years of experience in all aspects of technical service. Flo holds a BS in Health Science and has working knowledge of a variety of automated clinical chemistry analyzers including Siemens Advia, Hitachi, Indiko Plus, Olympus, and our MGC240 benchtop analyzer. Flo can address any field service related activities.

Kiran Shetty is our Director of Customer Experience. He is an experienced service-oriented director responsible for all aspects of technical and customer service. He has a full staff of technical service consultants with highly developed problem-solving skills.

Our technical service staff will be available to....

- · Provide technical information about CEDIA and DRI products
- Install a menu of Microgenics assays on your chemistry analyzer(s)
- Train your staff on how to run Microgenics assays
- Assist in your validation and correlation studies
- Answer questions on product performance and assay results
- Provide continuing technical support to ensure uninterrupted uptime of your laboratory's use of Microgenics products

ABS (Alternative Biomedical Solutions) is a subcontractor for Olympus AU2700 instruments that will be utilized upon award of this bid. Chris Bastas will be the field Service Engineer for the installation and training from ABS. Chris has 5 plus years' experience servicing AU instruments. He will be responsible for installation, qualification and operator training of personnel at the site. He will also be responsible for on-going service and preventive maintenance.

ACT (Advanced Computer Technologies) is a subcontractor for the Paracelsus Laboratory Instrument System that will be installed with the Olympus AU2700. Jim Binion will be your point of contact and responsible for the implementation of the Paracelsus

Aqua Solutions Inc. is a subcontractor for the water filter systems that will be utilized with the Olympus AU2700. Brian Hendrix will be the Technical Service Manager for the water system installation and service. He will be responsible for installing and overseeing the installation of the water system. He will also coordinate resources for service or preventive maintenance.



MICROGENICS CORPORATION CONTACT INFORMATION

TECHNICAL SERVICE:

For: General product inquiries, troubleshooting, and technical support

Call: 1-800-232-3342, Option 2 then Option 3

Hours: 8:00 a.m. - 5:00 p.m., Monday through Friday Pacific Time

E-Mail: techservice@microgenics.com Fax: 1-888-527-8001 or 510-979-5420

After Hours: 1-800-232-3342, Option 2, then Option 3, Emergency

ACT for Paracelsus: 1-888-549-9800

ABS: 1-972-241-1388

Agua Solutions: 1-800-458-2021

ORDERING INFORMATION:

To Order: To order reagents: Orders may be placed by phone, fax, or mail.

By Phone: 1-800-232-3342

Press 1 for Customer Service

We do not require written confirmation of a phone order.

Hours: 6:00 a.m. to 5:00 p.m. Monday through Friday Pacific Time

By Fax or E-mail: Please indicate the following information on your purchase order:

Customer Account Number Purchase Order Number

Shipping Address with Contact Name Product Catalog Number & Description

Quantity Desired Contact Person

Toll Free Fax:

1-800-829-8115

E-mail in orders:

mgc.customerservice@thermofisher.com

By Mail:

Microgenics Corporation

46500 Kato Road

Fremont, CA 94538 USA ATTN: Customer Service

EDI:

Microgenics offers Electronic Data Interchange (EDI) for order placement, order

acknowledgement and invoicing. EDI transactions require a format validation

and set up.

Thermo Fisher SCIENTIFIC

To Order

Instrument consumables or instrument spare parts:

By Phone:

Contact ABS - (Alternatice Biomedical Solutions): 1-972 -241-1388

DELIVERY TERMS/INFORMATION:

Reagents:

All domestic orders are shipped next-day air freight. All international orders are

shipped through a pre-assigned freight forwarder.

Shipment:

Shipping and freight is included in the price for RFPS30034901700921

Minimum Orders: We have a minimum order requirement for each order of \$100.00 for either

separate or a combination thereof for reagent, consumable, and spare parts

orders. All items may be ordered at one time.

Invoice:

Payment terms are (NET 30) from date of invoice.

Terms:

Net 30.

RETURN GOODS POLICY:

Damaged Goods:

Be sure to inspect your shipment immediately upon arrival. Please notify the

Microgenics Customer Service Department of any product discrepancy or

damage within 10 working days of shipment receipt.

Should there be a need to return a product, Customer Service will issue a

"Return Material Authorization" (RMA) number that must be included on the

outside of the package of the return product for proper processing.

Product Claims:

Failure to use the product as set forth in the product labeling and application

sheets can affect performance.

NOTE:

Sales are subject to the other terms and conditions on Microgenics invoice. All Sales are final. Returned products require a Return Material Authorization and may be subject to a Re-stocking Fee. Call Microgenics prior to returning any material. Any material returned without proper authorization will not accepted.



Authorized Negotiators

Microgenics represents that the following persons are authorized to negotiate on its behalf with the Missouri Department of Corrections in connection with this solicitation:

Microgenics Corporation

46500 Kato Road Fremont, CA 94538

Phone: 1-800-232-3342

Fax:

1-800-829-8115

Federal ID: 68-0418167

Remittance:

7055 Collection Center Dr.

Chicago, IL 66093

Contacts:

Stephanie Romanek, Sales Representative

1-502-529-9431 Phone

stephanie.romanek@thermofisher.com



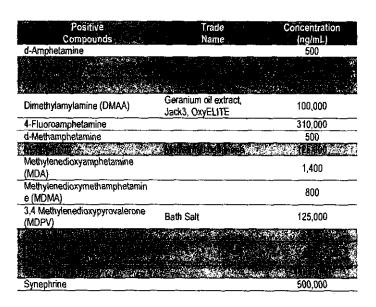
DRI[®] Cross Reactivity Guide Revision 15

Table of Contents

DRI Amphetamine	500 ng/mL
DRI Amphetamine	1000 ng/mL
DRI Barbiturate	200 ng/mL
DRI Benzodiazepine	200 ng/mL
DRI Cannabinoid (THC)	50 ng/mL
DRI Cocaine	150 ng mL
DRI Cocaine	300 ng/mL
DRI Cotinine	500 ng/mL
ORI Ecstasy	500 ng/mL
DRI Ethyl glucuronide (EtG)*	500 ng/mL
DRI Ethyl Alcohol	100 mg/dL
DRI Fentanyi*	2 ng/mL
DRI Methadone	300 ng/mL
DRI Methadone Metabolite	1000 ng/mL
DRI Methaqualone	300 ng/mL
DRI Opiate	300 ng/mL
DRI Opiate	2000 ng/mŁ
DRI Oxycodone	100 ng/mL
DRI Oxycodone	300 ng/mL
DRI Phencyclidine (PCP)	25 ng/mL
DRI Propoxyphene	300 ng/mL
DRI Tricyclic (TCA)	300 ng/mL



DRI® Amphetamine 500 ng/mL cutoff



Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Acetaminophen	Anacin, Datri Extra, Lìquiprin, Panadol, Tempra, Tylenol	500,000
Acetylsaticylic acid	Aspirin, Bufferin	500,000
Albuterol	Salbutamol	500,000
l-Amphetamine		6,250
Atomoxetine	Strattera	500,000
Benzoylecgonine		500,000
Benzphetamine	Didrex	10,000
Benzylpiperazine		40,000
Buproprion	Wellbutrin, Zyban	13,000
Caffeine	Coffe-Break, Durivitan, No-Doz, Percoffedrinol N, Pro-Plus, Vivarin	500,000
Catechol		1,000,000
Cetirizin Dihydrochloride	Zyrtec	500,000
Chlorpheniramine		500,000
Chlorpromazine	Ormazine, Thorazine	250,000
Codeine		500,000
Dextromethorphan	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	500,000
d-Ephedrine		1,000,000
d,l-Ephedrine		200,000
I-Ephedrine		100,000
Fenfluramine	Pondimin	1,200
Hydroxyzine		1,000,000
Isometheptene		6,000
Isoxsuprine	Vasodilan, Voxsuprine	50,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Meperidine	Demerol	500,000
Mephentermine	Wyamine	15,000
Methadone	Dolophine	500,000
I-Methamphetamine		3,500
Methapyrilene		100,000
Methylphenidate	Ritalin	150,000
Metronidazole		500,000
Morphine		500,000
Nor-pseudoephedrine		600,000
Oxazepam		250,000
Phencyclidine		500,000
Phendimetrazine	Bontril, Plegine	40,000
Phenethylamine		30,000
Phenmetrazine	Preludin	1,500
Phenobarbital	Luminal	500,000
Phenothiazine		5,000
	Adipex, Fastin, Ionamin,	
Phentermine	Obenix, Obephen,	47.500
rnemenane	Obermine, Obermine,	17,500
	Obestin, Phentamine	
	Alconefrin, Neo-	
Phenylephrine	Synephrine, Rhinali,	300,000
	Sinarest, Vicks Sinex	
Phenypropanolamine		200,000
Procainamide		13,000
Promethazine	Phenergan	250,000
Propranolol	Betachron, Inderal	100,000
d-Pseudoephedrine		75,000
I-Pseudoephedrine		150,000
Ranitidine	Zantac	250,000
Ritalinic Acid HCI		750,000
Scopolamine	Transderm-Scop	35,000
STATE OF THE PARTY OF		WWW.
Secobarbital	Seconal	500,000
Thioridazine	Mellaril	500,000
Trifluoperazine		500,000
Triflupromazine		500,000
Tyramine		300,000
3-OH-Tyramine		250,000



Concentration (ng/mL) 1000 Compounds d-Amphetamine Geranium oil extract Dimethylamylamine (DMAA) 200,000 Jack3, OxyELITE 4-Fluoroamphetamine 310,000 d-Methamphetamine 1000 Methylmethoathhone 280,000 Methylenedioxyamphetamine 2,500 Methylenedioxymethamphetamin 1,300 e (MĎMA) e (MDMA) 3,4 Methylenedioxypyrovalerone (MDPV) 24,5 Methylenedioxypyrovalerone (MDPV) 24,5 Methylenedioxypyrovalerone (MDPV) Bath Salt 250,000 7.600 380

500,000

Acetaminophen	Negative	Trade	Concentration
Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol			
Tempra, Tylenol Acetylsalicylic acid Aspirin, Bufferin 1,000,000 Albuterol Satbutamol 500,000 I-Amphetamine 12,500 Alomoxetine Strattera 500,000 Benzoylecgonine 1,000,000 Benzyletamine Didrex 20,000 Benzylpiperazine 63,000 Buproprion Wellbutrin, Zyban 50,000 Coffe-Break, Durivitan, Caffeine No-Doz, Percoffedrinol N, 1,000,000 Cretirizin Dihydrochloride Zyrtec 1,000,000 Chlorpheniramine 1,000,000 Chlorpromazine Ormazine, Thorazine 500,000 Codeine 1,000,000 Codeine 1,000,000 Benylin DM, Delsym, Dextromethorphan Hold, Perfussin 8 hr, 1,000,000 Al-Ephedrine 2,000,000 Al-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isometheptene 20,000 Isometheptene Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000		Anacin, Datri Extra,	V-1
Tempra, Tylenol Acetylsalicylic acid Aspirin, Bufferin 1,000,000 Albuterol Satbutamol 500,000 I-Amphetamine 12,500 Atomoxetine Strattera 500,000 Benzoylecgonine 1,000,000 Benzyletamine Didrex 20,000 Benzylpiperazine 63,000 Buproprion Wellbutrin, Zyban 50,000 Coffe-Break, Durivitan, Caffeine No-Doz, Percoffedrinol N, Pro-Plus, Vivarin Catechol 1,000,000 Cetirizin Dihydrochloride Zyrtec 1,000,000 Chlorpheniramine 1,000,000 Chlorpromazine Ormazine, Thorazine 500,000 Codeine 1,000,000 Codeine 1,000,000 Dextromethorphan Hold, Perfussin 8 hr, Mediquell, Sucrets d-Ephedrine 2,000,000 d-Ephedrine 700,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 22,000 Isosouprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000 Meperidine Demerol 1,000,000	Acetaminophen	Liquiprin, Panadol,	1,000,000
Albuterol Salbutamol 500,000 I-Amphetamine 12,500 Atomoxetine Strattera 500,000 Benzoylecgonine 1,000,000 Benzylpiperazine 63,000 Buproprion Wellbutrin, Zyban 50,000 Caffe-Break, Durivitan, No-Doz, Percoffedrinol N, Pro-Plus, Vivarin 1,000,000 Catechol 1,000,000 1,000,000 Cetirizin Dihydrochloride Zyrtec 1,000,000 Chlorpheniramine 1,000,000 Chlorpromazine Ormazine, Thorazine 500,000 Codeine 1,000,000 Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets 1,000,000 d-Ephedrine 2,000,000 d-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasoditan, Voxsuprine 100,000			
12,500 Atomoxetine	Acetylsalicylic acid	Aspirin, Bufferin	1,000,000
Atomoxetine Strattera 500,000 Benzoylecgonine 1,000,000 Benzyhetamine Didrex 20,000 Benzylpiperazine 63,000 Buproprion Wellbutrin, Zyban 50,000 Caffeine No-Doz, Percoffedrinol N, Pro-Plus, Vivarin 1,000,000 Catechol 1,000,000 1,000,000 Cetrizin Dihydrochloride Zyrtec 1,000,000 Chlorpheniramine 1,000,000 1,000,000 Chlorpheniramine 0rmazine, Thorazine 500,000 Codeine 1,000,000 1,000,000 Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets 1,000,000 d-Ephedrine 2,000,000 d-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000	Albuterol	Salbutamol	500,000
Benzoylecgonine 1,000,000 Benzphetamine Didrex 20,000 Benzylpiperazine 63,000 Buproprion Wellbutin, Zyban 50,000 Caffeine No-Doz, Percoffedrinol N, Pro-Plus, Vivarin 1,000,000 Catechol 1,000,000 1,000,000 Cetrizin Dihydrochloride Zyrtec 1,000,000 Chlorpheniramine 1,000,000 1,000,000 Chlorpheniramine 500,000 1,000,000 Codeine 1,000,000 1,000,000 Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets 1,000,000 d-Ephedrine 2,000,000 d-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000	I-Amphetamine		12,500
Benzphetamine Didrex 20,000 Benzylpiperazine 63,000 Buproprion Wellbutrin, Zyban 50,000 Caffeine No-Doz, Percoffedrinol N, Pro-Plus, Vivarin 1,000,000 Catechol 1,000,000 1,000,000 Cetrizin Dihydrochloride Zyrtec 1,000,000 Chlorpheniramine 1,000,000 1,000,000 Chlorpheniramine 500,000 500,000 Codeine 1,000,000 1,000,000 Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets 1,000,000 d-Ephedrine 2,000,000 d-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine 1,000,000	Atomoxetine	Strattera	500,000
Benzylpiperazine 63,000	Benzoylecgonine		1,000,000
Buproprion Wellbutrin, Zyban 50,000 Caffeine Coffe-Break, Durivitan, No-Doz, Percoffedrinol N, Pro-Plus, Vivarin 1,000,000 Catechol 1,000,000 Cetirizin Dihydrochloride Zyrtec 1,000,000 Chlorpheniramine 1,000,000 Chlorpromazine Ormazine, Thorazine 500,000 Codeine 1,000,000 Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets 1,000,000 d-Ephedrine 2,000,000 d-Ephedrine 700,000 H-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000	Benzphetamine	Didrex	20,000
Caffeine	Benzylpiperazine		63,000
Caffeine No-Doz, Percoffedrinol N, Pro-Plus, Vivarin 1,000,000 Catechol 1,000,000 Cetirizin Dihydrochloride Zyrtec 1,000,000 Chlorpheniramine 1,000,000 Chlorpromazine Ormazine, Thorazine 500,000 Codeine 1,000,000 Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets 1,000,000 d-Ephedrine 2,000,000 d.I-Ephedrine 700,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine 1,000,000	Buproprion	Wellbutrin, Zyban	50,000
Pro-Plus, Vivarin		Coffe-Break, Durivitan,	
Catechol 1,000,000 Cetirizin Dihydrochloride Zyrtec 1,000,000 Chlorpheniramine 1,000,000 Chlorpromazine Ormazine, Thorazine 500,000 Codeine 1,000,000 Benylin DM, Delsym, 1,000,000 Mediquell, Sucrets 2,000,000 d-Ephedrine 2,000,000 d,1-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasoditan, Voxsuprine 100,000 Meperidine Demerol 1,000,000	Caffeine	No-Doz, Percoffedrinol N,	1,000,000
Cetirizin Dihydrochloride Zyrtec 1,000,000 Chlorpheniramine 1,000,000 1,000,000 Chlorpromazine Ormazine, Thorazine 500,000 Codeine 1,000,000 1,000,000 Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets 1,000,000 d-Ephedrine 2,000,000 d.1-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000		Pro-Plus, Vivarin	
Chlorpheniramine 1,000,000 Chlorpromazine Ormazine, Thorazine 500,000 Codeine 1,000,000 Benylin DM, Delsym, 1,000,000 Hold, Perfussin 8 hr, 1,000,000 Mediquell, Sucrets 2,000,000 d-Ephedrine 700,000 I-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasoditan, Voxsuprine 100,000 Meperidine Demerol 1,000,000			1,000,000
Chlorpromazine Ormazine, Thorazine 500,000 Codeine 1,000,000 Benylin DM, Delsym, 1,000,000 Dextromethorphan Hold, Perfussin 8 hr, Mediquell, Sucrets d-Ephedrine 2,000,000 d,1-Ephedrine 700,000 l-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000		Zyrtec	1,000,000
Codeine 1,000,000 Benylin DM, Delsym, 1,000,000 Dextromethorphan Hold, Perfussin 8 hr, Mediquell, Sucrets d-Ephedrine 2,000,000 d-I-Ephedrine 700,000 I-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000			1,000,000
Benylin DM, Delsym, 1,000,000	Chlorpromazine	Ormazine, Thorazine	500,000
Dextromethorphan	Codeine		1,000,000
Mediquell, Sucrets 2,000,000 d,1-Ephedrine 700,000 d,1-Ephedrine 700,000 T-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000			
d-Ephedrine 2,000,000 d,1-Ephedrine 700,000 I-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000	Dextromethorphan		1,000,000
d,1-Ephedrine 700,000 I-Ephedrine 350,000 Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000		Mediquell, Sucrets	
Fephedrine 350,000			
Fenfluramine Pondimin 4,000 Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000			700,000
Hydroxyzine 1,000,000 Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000			350,000
Isometheptene 20,000 Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000	Fenfluramine	Pondimin	4,000
Isoxsuprine Vasodilan, Voxsuprine 100,000 Meperidine Demerol 1,000,000			1,000,000
Meperidine Demerol 1,000,000			20,000
		Vasodilan, Voxsuprine	100,000
ephentermine Wyamine 25,000		Demerol	1,000,000
	4ephentermine	Wyamine	25,000

DRI® Amphetamine 1000 ng/mL cutoff

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Methadone	Dolophine	1,000,000
I-Methamphetamine		10,000
Methapyrilene		500,000
Methylphenidate	Ritalin	500,000
Metodoporande HCI		a philosophus.
Metronidazole		1,000,000
Morphine		1,000,000
Nor-pseudoephedrine		1,000,000
Oxazepam		500,000
Phencyclidine		1,000,000
Phendimetrazine	Bontril, Plegine	200,000
Phenethylamine		100,000
Phenmetrazine	Preludin	4,000
Phenobarbital	Luminal	1,000,000
Phenothiazine		10,000
	Adipex, Fastin, Ionamin,	
Phentermine	Obenix, Obephen,	25,000
Prientermine	Obermine, Obermine,	25,000
	Obestin, Phentamine	
	Alconefrin, Neo-	
Phenylephrine	Synephrine, Rhinall,	500,000
	Sinarest, Vicks Sinex	
Phenypropanolamine		250,000
Procainamide		20,000
Promethazine	Phenergan	500,000
Propranolol	Betachron, Inderal	200,000
d-Pseudoephedrine		250,000
I-Pseudoephedrine		500,000
Ranitidine	Zantac	600,000
Ritalinic Acid HCl		750,000
Scopolamine	Transderm-Scop	100,000
Scopleamine N-Butyl Bromide		MONTH.
Secobarbital	Seconal	1,000,000
Thioridazine	Mellaril	1,000,000
Trifluoperazine		1,000,000
Triflupromazine		1,000,000
Tyramine		500,000
3-OH-Tyramine		500,000

Synephrine



DRI® Barbiturate 200 ng/mL cutoff

Positive Compounds	Trade Name	Concentration (ng/mL)
Alphenal		250
Amobarbital	Amytal	200
Aprobarbital	Alurate	200
Barbital	Deba	1,500
Butabarbital	Butisol, Buticaps, Busodium	250
Butalbital	Butalgen, Fiorgen, Fiorinal, Fiormor, Isobutyl, Isolin, Isollyl, Laninoif	300
Butethal		300
Diallybarbital		600
Pentobarbital	Nembutal	500
Phenobarbital	Luminal	600
Secobarbital	Seconal	200
Talbutal		60
Thiamylal		313
Thiopental	Pentothal Sodium	600

Negative Compounds	Trade Name	Concentration (ng/ml.)
Acetaminophen	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	1,000,000
Acetylsalicylic acid	Aspirin, Bufferin	1,000,000
Acyclovir	Zovirax	100,000
Amikacin	Amikin	1,000,000
Aminoglutethimide	Cytadren, Orimenten	12,500
Amitriptyline HCI	Elavil, Endep, Enovil, Emitrip	100,000
Amphetamine		1,000,000
d-Amphetamine		1,000,000
Atropine	Atropen, Attropisol, Atrosulf, Saltropine	100,000
Azithromycin	Zithromax	100,000
Benzoylecgonine		1,000,000
Buprenorphine	Buprenex	10,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Buproprion	Wellbutrin, Zyban	100,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	100,000
Calcium carbonate	Oscal	5,000,000
Chlorzoxazone	Paraflex	1,000,000
Clonidine	Catapres	100,000
Codeine		1,000,000
Dapsone	Aviosulfon	10,000
o-Desmethylvenlafaxine		1,000,000
Diphenhydramine	Banophen, Benadryl, Diphedryl, Simply Sleep	500,000
Diphenhydramine	Banophen, Benadryl, Diphedryl, Simply Sleep	1,000,000
Doxepin	Adapin, Sinequan	500,000
Doxycycline Hydate	Periostat	100,000
Fentanyl	Duragesic, Actiq, Sublimaze	10,000
Fluconazole	Diflucan	100,000
Fluoxetine	Prozac, Sarafem	50,000
Gabapentin	Neurontin	100,000
Gentamicin	Garamycin	1,000,000
Hexobarbital		750,000
Hydroxphenytoin (HPPH)		500,000
Hydroxyzine	Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50	100,000
Hyoscyamine HCL	Anaspaz, Levsin	100,000
lbuprofen	Advii, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	1,250,000
Indomethacin	Novomethacín, Indocin	100,000
Lamivudine	Epivir	100,000
Lamotrigine	Lamictal	1,000,000
Levofloxacin	Levaquin	100,000
Lithium Heparin		5,000,000
Loratadine	Claritin	500,000
Meperidine	Demerol	1,000,000
Mesoridazine	Serentil	1,000,000



DRI® Barbiturate 200 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Methadone	Dolophine	1,000,000
Methaquatone		1,000,000
Methohexital		750,000
3, 4 Methylenedioxypyrovelarone (MDPV)	Bath Salt	500,000
Methylphenidate	Ritalin	100,000
Metronidazole	Flagyl	100,000
Morphine		1,000,000
Nalbuphine	Nubain	1,000,000
Naltrexone	Depade, ReVia	1,000,000
Naproxen Na+	Aleve, Anaprox, Naprosyn	5,000,000
Norfluoxetine HCl		1,000,000
Ofloxacin	Floxin	100,000
Omeprazole	Prilosec	1,000,000
Oxazepam	Serax	500,000
Paroxetine	Paxil	100,000
Phencyclidine		1,000,000
enelzine	Nardil, Parnate, Marplan	100,000
Phenytoin (DPH)		500,000
Pholoodine		3,900
Propoxyphene	Darvon	1,000,000
Proventil		1,000,000
Ranitidine	Zantac	100,000
Risperidone	Risperdal	100,000
Scopolamine	Transderm-Scop	1,000,000
Spironolactone	Novospiroton	1,000,000
Thioridazine	Mellaril	1,000,000
Tizanidine	Zanaflex	1,000,000
Tobramycin	Nebcin, Tobi, Tobrex	1,000,000
Tramadol	Ultram	500,000
Trazodone	Desyrel	1,000,000
Trimethoprim	Proloprim, Trimpex	5,000,000
Vancomycin	Vancocin	1,000,000
Venlafaxine	Effexor	1,000,000



DRI® Benzodiazepine 200 ng/mL cutoff

Positive Compounds	Trade Name	Concentration (ng/mL)
Alprazolam	Tafil, Valeans, Xanax, Xandor	105
7-Aminoclonazepam		2500
7-Aminoflunitrazepam		3100
Bromazepam	Lectopam	225
SCH-Affangespan	the art and the second of the	
Chlordiazepoxide	Libritabs, Librium, Sereen	1100
Clobazam		145
Clonazepam	Klonopin	500
Clorazepate	Gen-XENE, Tranxene	120
Delorazepam		110
Desmethyldiazepam (nor- diazepam)	Nordaz, Calmday	100
Diazepam	Valium, Valrelease, Vazepam	95
Flunitrazepam	Rohypnol	175
Flurazepam	Dalmane, Durapam	140
Lorazepam	Ativan	1000
Lormetazepam		225
Medazepam	Nobrium	225
Midazolam		900
N-DesmethylFlunitrazepam		3100
Nitrazepam		175
Norfludiazepam		115
Oxazepam		200
Phenazepam		150
3-CHT-henezepem		44 C C C C C C C C C C C C C C C C C C
Prazepam	Centrax	110
Temazepam	Restoril, Razepam, Temaz	125
Triazolam	Halcion	125

Negativo Compounds	Trade Name	Concentration (ng/mL)
Compound.	Anacin, Datri Extra,	(aidaire)
Acetaminophen	Liquiprin, Panadol,	1,000,000
, roda milophon	Tempra, Tylenol	1,000,000
Acetylsalicylic acid	Aspirin, Bufferin	1,000,000
Amphetamine		1,000,000
	Coffe-Break, Durivitan, No-	1,000,000
Caffeine	Doz, Percoffedrinol N. Pro-	100,000
	Plus, Vivarin	1001000
Chamelle de	All organization and the second	Mary New
Citalopram Hydrobromide	Celexa, Cipramil	1,000,000
Codeine		1,000,000
	Benylin DM, Delsym, Hold,	
Dextromethorphan	Perfussin 8 hr, Mediquell,	1.000.000
·	Sucrets	. ,
Dinhanhudamina	Banophen, Benadryl,	500 000
Diphenhydramine	Diphedryl, Simply Sleep	500,000
Flumeseol .		
Fluoxetine		500,000
Gabapentin	Neurontin	1,000,000
Methadone	Dolophine	1,000,000
3, 4		
Methylenedioxypyrovelarone	Bath Sait	500,000
(MDPV)		
Morphine		200,000
Nor-Fluoxetine		500,000
Nor-Sertraline	-	1,000,000
Oxaprozin	Daypro	50,000
Oxonitoszepine		
Paroxetine		500,000
Phencyclidine		1,000,000
Propoxyphene	Darvon	1,000,000
Secobarbital	Seconal	1,000,000
Sertraline	Zoloft, Lustral	750,000

Note: This information pertains to lots starting 6xxxxxxx and older lots. For all lots starting with 7xxxxxxxx, there was a change of antibody, so please refer to the current Thermo Scientific™ DRI® Benzodiazepine Package Insert.



DRI® Cannabinoids 50 ng/mL cutoff

Pasitive	en granden en enga-	Trade	Concentration
Compounds		Name	(ng/mL)
11-Hydroxy-D9-THC			100
/11-Nor-Dª-THC-CO₂H			100
/11-Nor-Ds-THC-CO2H			50
8-B-Hydroxy-D9-THC			100
8-ß-11-Hydroxy-D9-THC			50
D9-THC (Dronabinol)	Marinol		50
Cannabinol			100
Flopirtine Maleate			500,000
Raltegravir	Isentress		31,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Hyoscyamine HCl	Anaspaz, Levsin	100,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	1,000,000
Indomethacin	Indocin, Novomethacin	100,000
Lamivudine	Epivir	100,000
Levofloxacin	Levaquin	100,000
Loratadine	Claritin	500,000
Meperidine	Demerol	1,000,000
Methadone	Dalophine	1,000,000
Methamphetamine		1,000,000
3, 4 Methylenedioxypyrovelarone (MDPV)	Bath Salt	500,000
Methylphenidate	Ritalin	100,000
Metronidazole	Flagyl	100,000
Morphine		200,000
Nafbuphine	Nubain	1,000,000
Norfluoxetine HCI		1,000,000
Ofloxacin	Floxin	100,000
Omeprazole	Prilosec	1,000,000
Oxazepam	Serax	500,000
Paroxetine	Paxil	100,000
Phencyclidine		1,000,000
Phenelzine	Marplan, Nardil, Parnate	100,000
Phenobarbital	Luminal	1,000,000
Propoxyphene	Darvon	1,000,000
Ranitidine	Zantac	100,000
Risperidone	Risperdal	100,000
Scopolamine	Transderm-Scop	1,000,000
Secobarbital	Seconal	1,000,000
Spironolactone	Novaspiroton	1,000,000
Terbinafine	Lamisil	1,000,000
Tolmetin	Tolectin	1,000,000
Tramadol	Ultram	500,000
Trazodone	Desyrel	1,000,000
Venlafaxine	Effexor	1,000,000

Negative Compounds	Trade Name	Concentration (ng/mL)
	Anacin, Datri Extra.	(19.11)
Acetaminophen	Liquiprin, Panadol,	1,000,000
•	Tempra, Tylenol	.,,
Acetylsalicylic acid	Aspirin, Bufferin	1,000,000
Acyclovir	Zovirax	100,000
buterol	Proventil	1,000,000
mitriptyline HCI	Elavil, Endep, Enovil, Emitrip	100,000
Amobarbital	Amytai	1,000,000
Amphetamine		1,000,000
Atropine	Atropen, Attropisol, Atrosulf, Saltropine	100,000
Azithromycin	Zithromax	100,000
Benzoyleogonine		1,000,000
Buprenorphine	Buprenex	10,000
Buproprion	Wellbutrin, Zyban	100,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	100,000
Cannabidiol		10.000
Clonidine	Catapres	100,000
Cocaine		200,000
Codeine		1,000,000
σ-11-Nor-Delta9-THC-CO2H		100
Dapsone	Avlosulfon	10,000
o-desmethylvenlafaxine		1,000,000
Dextromethorphan	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	1,000,000
Doxepin	Adapin, Sineguan	500,000
Doxycycline Hyclate	Periostat	100,000
Dignestatione		500,000
Efavirenz	Sustiva	1,000,000
Fentanyl	Duragesic, Actiq, Sublimaze	10,000
Fluconazole	Diflucan	100,000
Fluoxetine		50,000
Gabapentin	Neurontin	100,000
Hydroxyzine	Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50	100,000



DRI[®] Cocaine Metabolite 150 ng/mL cutoff

Positive Trade Compounds Name	Concentration (ng/mL)
Benzoylecgonine	150
Cocaine	25,000
Cocaethylene	30,000
Ecgonine	50,000

		•
Negative Compounds	Trade Name	Concentration (ng/mL)
	Anacin, Datri Extra,	·
Acetaminophen	Liquiprin, Panadol,	500,000
	Tempra,Tylenoi	
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	150,000
Albuterol	Proventil, Ventolin,	500,000
Arbutera	Salbutamol	300,000
Amikacin	Amikin	500,000
Amitriptylline	Elavil, Endep, Enovil,	50,000
Vilian britaine	Emitrip	· · · · · · · · · · · · · · · · · · ·
Amobarbital	Amytal	500,000
Amoxicillin	Amoxil	500,000
Amphetamine		500,000
Azithromycin	Zithromax	50,000
Benzocaine		500,000
Buprenorphine	Buprenex	5,000
Buproprion	Wellbutrin, Zyban	50,000
	Coffe-Break, Durivitan, No-	
Caffeine	Doz, Percoffedrinol N, Pro-	50,000
	Plus, Vivarin	
Calcium carbonate	Oscal	2,500,000
Chlorpromazine	Ormazine, Thorazine	250,000
Chlorzoxazone	Paraflex	500,000
Clonidine	Catapres	50,000
Codeine		500,000
Dapsone	Aviosulfon	5,000
o-Desmethylvenlafaxine		500,000
	Benylin DM, Delsym, Hold,	
Dextromethorphan	Perfussin 8 hr, Mediquell,	50,000
<u> </u>	Sucrets	
Dinhonhydramine	Banophen, Benadryl,	500,000
Diphenhydramine	Diphedryl, Simply Sleep	300,000
Doxepin	Adapin, Sinequan	250,000
Doxycycline Hyclate	Periostal	50,000
Ecgonine Methyl Ester		100,000
Fentanyl	Duragesic, Actiq, Sublimaze	5,000
Fluconazole	Diflucan	50,000
Fluoxetine	Prozac, Sarafem	25,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Gabapentin	Neurontin	50,000
Gentamicin	Garamycin	500,000
11.1	Anxanil, Apo-Hydroxyzine,	
Hydroxyzine	Atarax, Hyzine-50	50,000
Hyoscyamine HCI	Anaspaz, Levsin	50,000
	Advil, Haltran, Mediprene,	
lbuprofen	Motrin, Nuprin, Proen,	2,500,000
	Rufen	2,000,000
Indomethacin	Novomethacin, Indocin	50,000
Lamiyudine	Epivir	50,000
Lamotrigine	Lamictal	500,000
Levofloxacin	Levaquin	50,000
resolitivaciii	Dilocaine, LidoPen,	30,000
Lidocaine	Solarcaine, Xylocaine	500,000
Lithium bonorin	Solarcame, Ayrocame	2 500 000
Lithium heparin Loratadine	Claritin	2,500,000 250,000
Meperidine	Demerol	500,000
Mesoridazine	Serentil	500,000
Methadone	Dolophine	500,000
Methylphenidate	Ritalin	50,000
Metoclopramide	Clopra, Maxolon, Octamide,	500,000
werockopi arnide	Reglan	
Metronidazole	Flagyl	50,000
Morphine		100,000
Nalbuphine	Nubain	500,000
Naitrexone	Depade, ReVia	500,000
Naproxen Na+	Aleve, Anaprox, Naprosyn	2,500,000
Norfluoxetine HCI	r veve; r maprox; riaprosym	500,000
Ofloxacin	Floxin	50,000
Omeprazole	Prilosec	500,000
Oxazepam	Serax	50,000
Oxycodone	Jelax	500,000
	D-vil	
Paroxetine	Paxil	50,000
Phencyclidine		500,000
Phenelzine	Nardil, Parnate, Marplan	50,000
Phenobarbital	Luminal	500,000
Pholoodine		2,000
Promethazine	Phenergan	50,000
Propoxyphene	Darvon	500,000
Ranitidine	Zantac	50,000
Risperidone	Risperdal	50,000
Scopolamine	Transderm-Scop	500,000
Secobarbital	Seconal	500,000
Spironolactone	Novospiroton	500,000
Stavudine	Epivir	500
Terbinafine	Lamisit	500,000
Thiopental	Pentothal Sodium	500,000
Thioridazine	Mellaril	500,000
Tobramycin	Nebcin, Tobi, Tobrex	500,000
Tolmetin	Tolectin	500,000
Tramadol	Ultram	250,000
Trazodone	Desyrel	500,000
Trimethoprim	Proloprim, Trimpex	2,500,000
Vancomycin	Vancocin	500,000
Venlafaxine	Effexor	500.000



Positive Correctation Trade Concentration (ng/mL) Compounds Name (ng/mL) Benzoylecgonine 300 Cocaine 50,000 Cocaethylene 70,000 Ecgonine 80,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Acetaminophen	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	1,000,000
Acetylsalicylic acid	Aspirin, Bufferin	1,000,000
- Acyclovir	Zovirax	100,000
buterol	Proventil, Ventolin, Salbutamol	1,000,000
Amikacin	Amikin	1,000,000
Amitriptylline	Elavil, Endep, Enovil, Emitrip	100,000
Amobarbital	Amytal	1,000,000
Amoxicillin	Amoxil	1,000,000
_ Amphetamine		1,000,000
Azithromycin	Zithromax	100,000
Benzocaine		1,000,000
Buprenorphine	Buprenex	10,000
Buproprion	Wellbutrin, Zyban	100,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	100,000
Calcium carbonate	Oscal	5,000,000
Chlorpromazine	Ormazine, Thorazine	500,000
Chlorzoxazone	Paraflex	1,000,000
Clonidine	Catapres	100,000
Codeine		1,000,000
Dapsone	Avlosulfon	10,000
o-Desmethylvenlafaxine		1,000,000
Dextromethorphan	Benylin DM, Delsyrn, Hold, Perfussin 8 hr, Mediquell, Sucrets	100,000
Diphenhydramine	Banophen, Benadryl, Diphedryl, Simply Sleep	1,000,000
Doxepin	Adapin, Sinequan	500,000
Doxycycline Hyclate	Periostat	100,000
Ecgonine Methyl Ester		100,000
Fentanyl	Duragesic, Actiq, Sublimaze	10,000
Fluconazole	Diftucan	100,000
uoxetine	Prozac, Sarafem	50,000

DRI® Cocaine Metabolite 300 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Gabapentin	Neurontin	100,000
Gentamicin	Garamycin	1,000,000
	Anxanil, Apo-Hydroxyzine,	
Hydroxyzine	Atarax, Hyzine-50	100,000
Hyoscyamine HCI	Anaspaz, Levsin	100,000
,	Advil, Haltran, Mediprene,	
lbuprofen	Motrin, Nuprin, Proen,	5,000,000
	Rufen	*,,
Indomethacin	Novomethacin, Indocin	100,000
Lamivudine	Epivir	100,000
Lamotrigine	Lamictal	1,000,000
Levofloxacin	Levaquin	100,000
1.1	Dilocaine, LidoPen,	4 000 000
Lidocaine	Solarcaine, Xylocaine	1,000,000
Lithium heparin		5,000,000
Loratadine	Claritin	500,000
Meperidine	Demero	1,000,000
Mesoridazine	Serentil	1,000,000
Methadone	Dolophine	1,000,000
3, 4		
Methylenedioxypyrovelarone	Bath Salt	500,000
(MDPV)		
Methylphenidate	Ritalin	100,000
Metoclopramide	Clopra, Maxolon, Octamide,	1,000,000
Wetocopramide	Reglan	1,000,000
Metronidazole	Flagyl	100,000
Morphine		200,000
Nalbuphine	Nubain	1,000,000
Naltrexone	Depade, ReVia	1,000,000
Naproxen Na+	Aleve, Anaprox, Naprosyn	5,000,000
Norfluoxetine HCl		1,000,000
Offoxacin	Floxin	100,000
Omeprazole	Prilosec	1,000,000
Oxazepam	Serax	100,000
Oxycodone	·- <u>-</u> -	1,000,000
Paroxetine	Paxil	100,000
Phencyclidine		1,000,000
Phenelzine	Nardil, Parnate, Marplan	100,000
Phenobarbital	Luminal	1,000,000
Pholoodine		39,000
Promethazine	Phenergan	100,000
Propoxyphene	Darvon	1,000,000
Ranitidine	Zantac	100,000
Risperidone	Risperdal	100,000
Scopolamine	Transderm-Scop	1,000,000
Secobarbital	Seconal	1,000,000
Spironolactone	Novospirotori	1,000,000
Stavudine Technology	Epivir	1,000,000
Terbinafine Thiopertal	Lamisil	1,000,000
Thiopental Thioridesia	Pentothal Sodium	1,000,000
Thioridazine	Mellaril	1,000,000
Tobramycin	Nebcin, Tobi, Tobrex	1,000,000
Tolmetin	Tolectin	1,000,000
Tramadol	Ultram	500,000
Trazodone	Desyrel	1,000,000
Trimethoprim	Proloprim, Trimpex	5,000,000
Vancomycin	Vancocin	1,000,000
Venlafaxine	Effexor	1,000,000

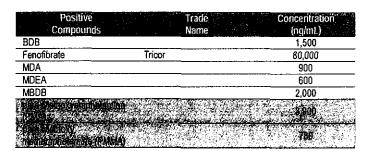


DRI® Cotinine 500 ng/mL cutoff

Positive Compounds	The second secon	Trade Name	Concentration (ng/mL)
Cotinine			500
3-Hydroxy-Cotinine			12,500
		-	

Negative Compounds	Trade Name	Concentration (ng/mL)
11-nor-D9-THC-9-COOH	THE INC.	10,000
Acetaminophen	Anacin, Datri Extra, Liquiprin, Panadol, Tempra,Tylenol	1,000,000
Acetylsalicylic acid	Aspirin, Bufferin	1,000,000
Amitriptyline	Elavil, Endep, Enovil, Emitrip	50,000
Amphetamine		1,000,000
Atropine	Atropen, Attropisol, Atrosulf, Saltropine	100,000
Benzoylecgonine		1,000,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	100,000
Codeine		1,000,000
Diazepam		100,000
Doxylamine	Decapryn, Nighttime Steep Aid, Unisom	500,000
Ephedrine		1,000,000
Ibuprofen		500,000
d-Methamphetamine		100,000
I-Methamphetamine		100,000
Morphine		1,000,000
Niadinamide		500,000
Nicotine		500,000
Nicotinic acid		500,000
Nicotinic Acid N-Oxide		500,000
Nortriptyline	Aventyl, Pamelor	50,000
Oxazepam		500,000
Phencyclidine		500,000
Pheniramine		50,000
Phenobarbital	Luminal	1,000,000
Phenytoin	Dilantin	40,000
Primidone	Mysoline	50,000
Propoxyphene	0 - 4 0 - 0 -	1,000,000
Quinidine	Cardioquin, Cin-Quin, Duraquin, Novoquinidin, Quinaglute Dura-Tabs, Quinalan, Quiname, Quinidex Extentabs, Quinora, Quin-Release	200,000
Ranitidine	WORLD OF WHILL SECOND	500,000
Scopolamine	Transderm-Scop	1,000,000
Secobarbital	Seconal	1,000,000
Theophylline	Aerolate, Asmalix, Elixophyllin, Quinbron, Respbid, Slo-Phyllin, Slo- bid, Theo-24, Theo-Dur, Theolair	50,000
Tolmetin	Tolectin	1,000,000
Uric Acid	. 012-011	200,000
Valproic Acid	Depacon, Depakote	150,000
	- abased a abounts	100,000





Negative	Trade	Concentration
Compounds	Name	(ng/mL)
d,l-Amphetamine		180,000
d-Amphetamine		600,000
I-Amphetamine		90,000
Acetaminophen	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	1,000,000
Acetylsalicylic Acid	Aspirin, Bufferin	1,000,000
Albuterol	Salbutamol	500,000
Amoxicillin	Amoxil, Polymor, Trimax, Wymox	1,000,000
Atomoxetine	Strattera	500,000
nzoylecgonine		1,000,000
uproprion	Wellbutrin, Zybarı	36,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	100,000
Captopril		1,000,000
Chlordiazepoxide	Libritabs, Librium, Sereen	250,000
13 Chlorophenyl Piperazine	m-CPP, Trazodone	500,000
Cimetidine	Tagamet	500,000
Codeine		1,000,000
Cyclottexylamine		1,000,000
Diazepam	Valium	1,000,000
Digoxin	Lanoxin	100,000
Diphenhydramine		500,000
Enalapril	Vasotec	1,000,000
I-Ephedrine		800,000
Fluoxetine	Prozac, Sarafem	500,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	1,000,000
Levothyroxine	Synthroid	100,000
Losartan Potassium		1,000,000
Mephedrone		500,000
Methadone	Dolophine	1,000,000
d,I-Methamphetamine		100,000
d-Methamphetamine		600,000
I-Methamphetamine	,	62,000
3, 4 Methylenedioxypyrovelarone (MDPV)	Bath Salt	500,000
Marosheranke HG	Market Market Street	1,000,000
	MSIR, Ms Contin,	

Oramorph Sr, Roxanol,

Infumorph

Astramorph, Duramorph,

DRI[®] Ecstasy 500 ng/mL cutoff

	•	
Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Nifedipine	Procardia	50,000
Phencyclidine		1,000,000
Phenmetrazine		1,000,000
Phenobarbital	Luminal	1,000,000
Phentermine	Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine	220,000
d,I-Phenylpropanolamine	Acutrim, Dexatrim, Dura- Vent	800,000
Propoxyphene	Darvon	1,000,000
d-Pseudoephedrine		1,000,000
Ranitidine	Zantac	250,000
Salicyluric Acid		1,000,000
Scopleamine N-Butyl Bromic	ė	1,000,000
Synephrine		1,000,000
THC		10,000
Tolmetin	Tolectin	500,000
Verapamil	Calan, Isontin, Verelan	1.000.000

Morphine

1.000.000



DRI® Ethyl Alcohol 100 mg/dL cutoff



	_	
Negative Compounds	Trade Name	Concentration (mg/dL)
Acetaldehyde		2,000
Acetone		2,000
n-Butanol		2,000
Ethylene Glycol		2,000
1, 1, 1, 3, 3, 3 Hexafluoro-2-propanol		49,900
Isopropanol		2,000
Methanol		2,000
N-Propanol		2,000



Positive Compounds Trade Name Concentration (ng/ml) 4-Chloro-1-butanol 65,100,000 Ethyl glucuronide 500 500/300000 500/300

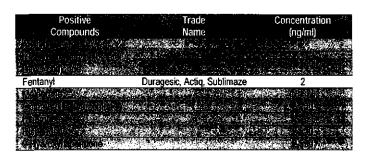
Negative	Trade	Concentration
Compounds	Name	(ng/ml)
Acetaldehyde		10,000
Acetaminophen	Tylenal	500,000
Acetylmorphine		500,000
etylsalicylic Acid	Aspirin, Bufferin	500,000
Alprazolam glucuronide		10,000
Amitriptyline	Elavil, Endep, Enovil, Emitrip	100,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymox	100,000
Amphetamine		1,000,000
Benzoylecgonine		1,000,000
Buprenorphine glucuronide		10,000
Butanol		10,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	100,000
Carbamazepine	Carbatrol, Epitol, Tegretol	500,000
Chlorpromazine	Ormazine, Thorazine	100,000
Cimetidine	Tagamet	500,000
Clomipramine	Anafranil	100,000
Codeine		1,000,000
Desipramine	Norpramin, Pertofrane	1,000,000
Dextromethorphan	Benyfin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	200,000
Dihydrocodeine		1,000,000
Disulfiram	Tetraethlythiuram Disutfide	500,000
Doxepine	Adapin, Sinequan	200,000
Ephedrine	Kondon's Nasal, Pretz-D	2,000,000
Ethanol		100,000
Ethylene glycol		10,000
Fentanyl	Duragesic, Actiq, Sublimaze	200,000
Fluoxetine	Prozac, Sarafem	1,000,000
Fluphenazine	Permitil, Prolixin	500,000
D-glucose		10,000
Glucuronic acid		10,000

DRI[®] Ethyl Glucuronide 500 ng/mL cutoff

Negative	Trade	Concentration
Compounds	Name	(ng/ml)
Heroin		1,000,000
(d) Stable and leading the		hande en en en en en en en en en en en en en
Proteins	Andread to the state of the state of	tular Street in the State
Hydrocodone	Lortab, Vicodin	200,000
Hydromorphone	Dilaudid	200,000
HydroxyCourmarin		10,000
glucuronide		10,000
	Advil, Haltran, Mediprene,	
Ibuprofen	Motrin, Nuprin, Proen,	1,000,000
-	Rufen	
Imipramine	Janimine, Tofranil	1,000,000
Isopropanol		10,000
Levorphanol		500,000
Lorazepam glucuronide		10,000
Maprotiline	Ludiomil	1,000,000
Meperidine	Demerol	1,000,000
Methadone	Dolophine	1,000,000
Methanol		10,000
Methyl glucuronide		5,000
Metronidazole	Flagy!	500,000
Morphine		1,000,000
Morphine-3-glucuronide		1,000,000
Morphine-6-glucuronide		10,000
Nalbuphine	Nubain	1,000,000
Naltrexone	Depade, ReVia	3,000,000
p-nitrophenyl glucuronide		10,000
Norbuprenorphine		10,000
glucuronide		
Norcodeine		1,000,000
Normorphine		1,000,000
Nortriptyline	Aventyl, Pamelor	500,000
Oxazepam	Serax	500,000
Oxazepam glucuronide		10,000
Oxycodone		500,000
Phencyclidine		1,000,000
Phenobarbital	Luminal	1,000,000
N-propanol		10,000
Ranitidine	Zantac	3,000,000
Secobarbital	Seconal	1,000,000
Talwin		500,000
Termazepam glucuronide		10,000
Testosterone glucuronide		10,000
Thebaine		100,000
Thioridazine	Mellaril	500,000
Tramadol	Ultram	500,000



DRI® Fentanyl 2 ng/mL cutoff



Negative	Trade	Concentration
Compounds	Name	(ng/ml)
Acetaminophen	Tylenol	500,000
6-Acetylmorphine		50,000
Acetylsalicylic Acid	Aspirin, Bufferin	500,000
Alfentanil		10,000
ALMERICA:		Control of the Control
Alprazolam glucuronide		10,000
		the second second
The following the same of the	建 斯斯克斯拉克斯克斯斯斯	电影 1000 1000 1100 1100 1100 1100 1100 11
Amitriptyline	Elavil, Endep, Enovil, Emitrip	25,000
Amoxicillin	Amaxil, Polymor, Trimox, Wymox	100,000
Amphetamine		1,000,000
Aripiprazole		500
Benzoylecgonine		1,000,000
Blanca a raint de	- the wind of the last	
Buprenorphine		100,000
Buprenorphine glucuronide		100,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	100,000
Carbamazepine	Carbatrol, Epitol, Tegretol	500,000
Cetrizine		50,000
Chlorpromazine	Ormazine, Thorazine	100,000
Cimetidine	Tagamet	500,000
The state of the s		
Clomipramine	Anafranil	25,000
La Contract		
Codeine		100,000

Negative Compounds	Trade Name	Concentration (ng/ml)
Dehydroaripiprazole		500
Desipramine	Normania Batatana	50,000
Desipranine	Norpramin, Pertofrane	_50,000
Despropionyl fentanyl		100
Desproprony remany	Benytin DM, Delsym, Hold,	100
Dextromethorphan	Perfussin 8 hr, Mediquell,	200,000
	Sucrets	200,000
CONTRACTOR OF STATE	TO THE RESERVE OF THE PERSON OF THE	700 (000
Dihydrocodeine		200,000
Diphenhydramine		10,000
The state of the s	Property of the second	
Doxepine	Adapin, Sinequan	50,000
Doxylamine		100,000
EDDP		50,000
Ephedrine	Kondon's Nasal, Pretz-D	250,000
Fexofenadine		50,000
Planitatzopem	and the second second	200,000
Fluoxetine	Prozac, Sarafern	100,000
Fluphenazine	Permitil, Prolixin	25,000
FERCOSTO	and the second s	
Gabapentin		100,000
Heroin		50,000
Hydrocodone	Lortab, Vicodin	100,000
Hydromorphone	Dilaudid	100,000
Hydroxyzine		25,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	500,000
Imipramine	Janimine, Tofranil	40,000
	A STATE OF THE STA	400000
Levorphanol		20,000
Loratidine		50,000
LSD		3.0
Maprotiline	Ludiomil	500,000
Meperidine	Demerol	100,000
Meta-Chlorophenyl		100,000
piperazine	677	
Methadone	Dolophine	300,000
3,4 Methylenedioxy		100,000
pyrovalerone (MDPV)		Wilde V
Metronidazole	Flagyl	200,000
Mirtazapine	гіадуі _	50.000
Morphine		200,000
Morphine-3-glucuronide		500,000
Nalbuphine	Nubain	500,000
Naloxone		25,000
Naltrexone	Donada Pal/ia	25,000
	Depade, ReVia	
Naproxen		25,000
Norbuprenorphine		50,000
Norcodeine		100,000
As cases of transpersel.		100,000
Norfenfluramine		10,000



DRI® Fentanyl 2 ng/mL cutoff

Negative	Trade	Concentration
Compounds	Name	(ng/ml)
Norfentanyl		10,000
Normeperidine		50,000
Normorphine		100,000
Nortriptyline	Aventyl, Pametor	100,000
Oxazepam	Serax	100,000
Oxycodone		200,000
Oxymorphone		500,000
Paroxelina maleale		106,000
Phencyclidine		15,000
Phenobarbital	Luminal	500,000
Praxeoan		200,000
Pregabalin		100,000
Promethazine		50,000
Propxyphene		15,000
Ranitidine	Zantac	200,000
Philippe and		100,080
Ropinirole		50,000
Secobarbital	Seconal	500,000
Sufentanil		100
Talwin		10,000
Tapentadol		50,000
Tapentadol-O-Glucuronide		50,000
Temazopem		200,000
Tilidine		50,000
Tramadol		100,000
Tramadol-O-Desmethyl		100,000
Tramadol-N-Desmethyl		100,000
sazadone		10,000
azolani		200,000
Veranamil		12,500
Zápero	and the second of the second o	100000
Zolatian Phany A-COOH		100,000



DRI® Methadone 300 ng/mL cutoff

Positive Compounds	Trad Nam	
Methadone	Dolophine	300
Methadol		750
Propafenone	Rythmol	31,250
Tapentadol	Nucynta	15,625

Negative Compounds	Trade Name	Concentration (ng/mL)
1-a-Acetylmethadol (LAAM)		5,000
7-Hydroxyqueliapine		500,000
Acetaminophen	Anacin, Datri Extra, Liquiprin, Panadol, Tempra,Tylenol	1,000,000
Acetylsalicylic acid	Aspirin, Bufferin	1,000,000
Albuterol	Proventil, Ventolin, Salbutamol	1,000,000
Amikacin	Amikin	1,000,000
Amitriptyline	Elavil, Endep, Enovil, Emitrip	50,000
Amoxicillin	Amoxil	1,000,000
Amphetamine		1,000,000
Atropine	Atropen, Attropisol, Atrosulf, Saltropine	100,000
Benzoylecgonine		400,000
Buprenorphine	Buprenex, Subutex	7,500
Buproprion	Wellbutrin, Zyban	100,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	100,000
Calcium carbonate	Oscał	5,000,000
Carbamazepine	Carbatrol, Epitol, Tegretol	20,000
Chlorzoxazone	Paraflex	1,000,000
Cocaine		200,000
Codeine		500,000
o-Desmethylvenlafaxine		1,000,000
Dextromethorphan	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	250,000
Diphenhydramine	Banophen, Benadryl, Diphedryl, Simply Sleep	1,000,000
Doxepin	Adapin, Sinequan	500,000
Ephedrine	Kondon's Nasal, Pretz-D	1,000,000
Fentanyl		100
Fluoxetine	Prozac, Sarafem	50,000
Furosemide	Lasix	1,000,000
Gentamicin	Garamycin	1,000,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	5,000,000
Imipramine	Janimine, Tofranil	50,000
Indomethacin	Novomethacin, Indocin	100,000
Lamotrigine	Lamictal	1,000,000
Lithium heparin		5,000,000
Loratadine	Claritin	500,000
Meperidine	Demeral	150,000

	<u> </u>	<u></u>
Negative Compounds	Frade Name	Concentration (ng/mL)
Mesoridazine	Serentil	250,000
Methadone Metabolite (EDDP)		10,000
Methadone Metabolite (EMDP)		10,000
3, 4 Methylenedioxypyrovelarone (MDPV)	Bath Salt	500,000
Methylphenidate	Ritalin	100,000
Morphine	Tream	200,000
Nalbuphine	Nubain	1.000.000
Naltrexone	Depade, ReVia	1,000,000
Naproxen Na*	Aleve, Anaprox, Naprosyn	5,000,000
Norbuprenorphine		500,000
Norfluoxetine HCI		1,000,000
Norquellabrie HG		
Nortriptyline	Aventyl, Pamelor	50.000
Omeprazole	Prilosec	1,000,000
Orphenadrine	Norflex	1,000,000
Oxazepam	Serax	500,000
Oxycodone		1,000,000
Phencyclidine		500,000
Phenelzine	Nardil, Parnate, Marplan	100,000
Phenobarbital	Luminal	1,000,000
Phenytoin	Dilantin	40,000
Pholcodine		3,900
Primidone	Mysoline	24.000
Procyclidine	Kemadrin	1,000,000
Promethazine	Phenergan	100,000
Propoxyphene	Darvon	250,000
Scopolamine	Transderm-Scop	1,000,000
Secobarbital	Seconal	1,000,000
Spironolactone	Novospiroton	1,000,000
Theophylline	Aerotate, Asmalix, Elixophyllin, Quinbron, Respbid, Slo-Phyllin, Slo- bid, Theo-24, Theo-Dur, Theolair	50,000
Thiopental	Pentothal Sodium	1,000,000
Thioridazine	Mellaril	125,000
Tobramycin	Nebcin, Tobi, Tobrex	1,000,000
Tolmetin	Tolectin	1,000,000
Tramadol	Ultram	500,000
Trazodone	Desyrel	1,000,000
Trimethoprim	Proloprim, Trimpex	5,000,000
Valproic Acid	Depacon, Depakote	150,000
Vancomycin	Vancocin	1,000,000
Venlafaxine	Effexor	1,000,000
Verapamil	Calan, Isoptin, Verelan	1,000,000

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DRI® Methadone Metabolite (EDDP) 1000 ng/mL cutoff

Positive	Trade Concentration
Compounds	Name (ng/mL)
Methadone Metabolite (EDDP)	1000

Negative Compounds	Trade Name	Concentration (ng/mL)
11-nor-Δ9-THC-9-COOH	Add IIC	10,000
		and the second
rako areken balan balan		AND DOUBLE
	Anacin, Datri Extra,	
Acetaminophen	Liquiprin, Panadol,	1,000,000
Acetylsalicylic acid	Tempra, Tylenol Aspirin, Bufferin	1,000,000
Amphetamine	Aspirit, Bulletin	1,000,000
Benzoylecgonine		1,000,000
	Coffe-Break, Durivitan, No-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Caffeine	Doz, Percoffedrinol N, Pro-	100,000
	Plus, Vivarin	
Captopril	Capoten	500,000
Chlordiazepoxide	Libritabs, Librium, Sereen	100,000
Cimetidine	Tagamet	500,000
Cocaine Codeine		200,000
Codeine	Benylin DM, Delsym, Hold,	1,000,000
Dextromethorphan	Perfussin 8 hr, Mediquell,	300,000
DOKU GINGUNGIPHUN	Sucrets	200,000
Diamanan	Valium, Valrelease,	400,000
Diazepam	Vazepam	100,000
Diphenhydramine	Banophen, Benadryl,	500,000
	Diphedryl, Simply Sleep	
Disopyramide		1,000,000
Doxylamine	Decapryn, Nighttirne Sleep Aid, Unisom	500,000
EMDP (Secondary	Alu, Unisom	
Methadone Metabolite)		200,000
Ephedrine	Kondon's Nasal, Pretz-D	1,000,000
Fluoxetine	Prozac, Sarafem	500,000
1buprofen	Advil, Haltran, Mediprene,	500,000
	Motrin, Nuprin, Proen, Rufen	
Ketamine	Ketalar	1,000,000
LAAM (a-levo-		100,000
acetylmethadol) пог-LAAM (а-levo-		-
noracetylmethadol)		100,000
Levothyroxine (T ₄)	Synthroid	500,000
Meperidine	Demerol	1,000,000
Methadone	Dolophine	35,000,000
d-Methamphetamine		100,000
I-Methamphetamine		100,000
Morphine		1,000,000
Northuprenciphine	A Company of the Comp	500 000
Norquetiapine	Coron	1,000,000
Oxazepam Phenovolidina	Serax	500,000 500,000
Phencyclidine Phenobarbital	Luminal	1,000,000
i nonopaiokal	Adipex, Fastin, Ionamin,	1,000,000
Dhaataaaina	Obenix, Obephen,	4 000 000
Phentermine	Obermine, Obermine,	1,000,000
	Obestin, Phentamine	
Promethazine	Phenergan	100,000
Propoxyphene	Darvon	1,000,000
Ranitidine	Zantac	500,000
Salicyluric acid	Coord	500,000
Secobarbital	Seconal Neona	1,000,000



DRI® Methaqualone 300 ng/mL cutoff

Positive Trade Compounds Name	Concentration (ng/mL)
Mecloqualone	500
Methaqualone	300
2'-Hydroxy methaqualone	3,000
3'-Hydroxy methaqualone	500
4'-Hydroxy methaqualone	500

Negative Compounds	Trade Name	Concentration (ng/mL)
	Anacin, Datri Extra.	
Acetaminophen	Liquiprin, Panadol,	1,000,000
	Tempra,Tylenol	, .,.
Acetylsalicylic Acid	Aspirin, Bufferin	1,000,000
Albuterol	Proventil Ventolin,	1,000,000
Albutero	Salbutamol	1,000,000
Amikacin	Amikin	1,000,000
Amitriptyline	Elavil, Endep, Enovil,	50,000
<u> </u>	Emitrip	
Amoxicillin	Amoxil	1,000,000
Amphetamine		1,000,000
Atropine	Atropen, Attropisol, Atrosulf,	100,000
•	Saltropine	
Benzoylecgonine		1,000,000
Buproprion	Wellbutrin, Zyban	100,000
	Coffe-Break, Durivitan, No-	
Caffeine	Doz, Percoffedrinol N, Pro-	1,000,000
	Plus, Vivarin	
Calcium carbonate	Oscal	5,000,000
Carbamazepine	Carbatrol, Epitol, Tegretol	20,000
Chlorzoxazone	Paraflex	1,000,000
Codeine		1,000,000
o-Desmethylvenlafaxine		1,000,000
	Benylin DM, Delsym, Hold,	
Dextromethorphan	Perfussin 8 hr, Mediquell,	1,000,000
	Sucrets	
Diphenhydramine	Banophen, Benadryl,	500,000
	Diphedryl, Simply Sleep	
Diphenhydramine		1,000,000
Doxepin	Adapin, Sinequan	500,000
Fluoxetine	Prozac, Sarafem	50,000
Gentamicin	Garamydn	1,000,000
	Advil, Haltran, Mediprene,	
Ibuprofen	Motrin, Nuprin, Proen,	5,000,000
	Rufen	
Indomethacin	Novomethacin, Indocin	100,000
Lamotrigine	Lamictal	1,000,000
Lithium Heparin		5,000,000
Loratadine	Claritin	500,000
Meperidine	Demerol	1,000,000
Mesoridazine	Serentil	1,000,000
Methadone	Dalaphine	500,000
3, 4 Methylenedioxypyrovelarone (MDPV)	Bath Salt	500,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Methylphenidate	Ritalin	100,000
Metronidazole	Flagyl	1,000,000
Morphine		1,000,000
Nalbuphine	Nubain	1,000,000
Naltrexone	Depade, ReVia	1,000,000
Naproxen Na+	Aleve, Anaprox, Naprosyn	5,000,000
Norfluoxetine HCI		1,000,000
Nortriptyline	Aventyl, Pamelor	50,000
Omeprazole	Prilosec	1,000,000
Oxazepam	Serax	1,000,000
Phencyclidine		1,000,000
Phenelzine	Nardil, Parnate, Marplan	100,000
Phenobarbital	Luminal	1,000,000
Phenytoin	Dilantin	40,000
Pholcodine		3,900
Primidone	Mysoline	24,000
Promethazine	Phenergan	1,000,000
Propoxyphene	Darvon	1,000,000
Scopolamine	Transderm-Scop	1,000,000
Secobarbital	Seconal	1,000,000
Spironolactone	Navospiroton	1,000,000
Theophylline	Aerolate, Asmalix, Elixophyllin, Quinbron, Respbid, Sto-Phyllin, Slo- bid, Theo-24, Theo-Dur, Theolair	40,000
Thiopental	Pentothal Sodium	1,000,000
Thioridazine	Mellaril	1,000,000
Tobramycin	Nebcin, Tobi, Tobrex	1,000,000
Tolmetin	Talectin	1,000,000
Tramadol	Ultram	500,000
Trazodone	Desyrel	1,000,000
Trimethoprim	Proloprim, Trimpex	5,000,000
Valproic Acid	Depacon, Depakote	150,000
Vancomycin	Vancocin	1,000,000
Venlafaxine	Effexor	



DRI® Opiate 300 ng/mL cutoff

Positive Compounds	Trade Name	Concentration (ng/mL)
Codeine		150
Dihydrocodeine	DHC Plus, Synalgos-DC	650
Heroin		380
Hydrocodone	Lortab, Vicodin	650
Hydromorphone	Dilaudid	1,400
Leverphanol	Levo-Dromoran	10,500
6-Monoacetyl Morphine		280
Morphine		300
Morphine-3-Glucuronide		340
Morphine-6-Glucuronide		270
Oxycodone	OxyContin	10,500
Oxymorphone	Numorphan; Numorphor Opana	ne; 37,000
Ranitidine	Zantac	500,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
EDDP (Primary Methadone Metabolite)		62,500
Ephedrine	Kondon's Nasal, Pretz-D	1,000,000
Fentanyl	Duragesic, Actiq, Sublimaze	500,000
Fluconazole	Diflucan	1,000,000
Fluoxetine	Prozac, Sarafem	100,000
Fluptrine Maleate		780000
Fluphenazine	Permitil, Prolixin	100,000
Gabapentin	Neurontin	100,000
Hydrografine	Anxanil, Apo-Hydroxyzine,	100,000
Hydroxyzine	Atarax, Hyzine-50	100,000
Hyoscyamine HCl	Anaspaz, Levsin	100,000
_	Advil, Haltran, Mediprene,	
lbuprofen	Motrin, Nuprin, Proen,	500,000
	Rufen	
Imipramine	Janimine, Tofranil	100,000
Lamivudine	Epivir	100,000
Lamotrigine	Lamictal	1,000,000
Levofloxacin	Levaquin	800,000
Loratadine	Claritin	10,000
Maprotiline	Ludiomił	100,000
Meperidine	Demerol	20,000
Methadone	Dolophine	500,000
Metronidazole	Flagyl	1,000,000
Nalbuphine	Nubain	1,000,000
Naloxone	Narcan	100,000
Naltrexone	Depade, ReVia	3,000,000
Norbuprenorphine	• • • • • • • • • • • • • • • • • • • •	500,000
Norfentanyl		500,000
Normorphine		100,000
Nortiptyline	Aventyl, Pamelor	100,000
Ofloxacin	Floxin	100,000
Oxazepam	Serax	250,000
Paroxetine	Paxil	100,000
Pentazocine	Talwin	100,000
Phencyclidine		1,000,000
Phenobarbital	Luminal	1,000,000
Propoxyphene		900,000
Prothipendyl		1,000,000
Rifampin	Rifadin	1,000,000
Risperidone	Risperdal	100,000
Secobarbital	Seconal	1,000,000
Talwin		100,000
Tapentadol	Nucynta	500,000
Thebaine		2,000
Thioridazine	Mellarit	100,000
Tramadol	Ultram	100,000
Venlafaxine	Effexor	1,000,000

Negative	Trade	Concentration
Compounds	Name	(ng/mt)
Acetamínophen	Anacin, Datri Extra, Líquíprin, Panadol, Tempra, Tylenol	500,000
Acetylsalicylic Acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	100,000
Amitriptyline	Elavil, Endep, Enovil, Emitrip	100,000
Amphetamine		1,000,000
Azithromycin	Zithromax	100,000
Benzoylecgonine		1,000,000
Buprenorphine	Buprenex	100,000
Buproprion	Wellbutrin, Zyban	100,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	10,000
Carbamazepine	Carbatrol, Epitol, Tegretol	500,000
Chlorpromazine	Ormazine, Thorazine	10,000
Clomipramine	Anafranil	100,000
Clonidine	Catapres	100,000
Cyclazocine		35,000
Cyamemazine		1,000,000
Dapsone	Avlosulfon	10,000
Desipramine	Norpramin, Pertofrane	100,000
o-Desmethylvenlafaxine		1,000,000
Dextromethorphan	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	100,000
Doxepin	Adapin, Sinequan	100,000
Soxycycline Hyclate	Periostat	100,000



DRI® Opiate 2000 ng/mL cutoff

Positive	Trade	Concentration
Compounds	Narne	(ng/mL)
6-Monoacetyl Morphine		2,500
Codeine		950
Dihydrocodeine	DHC Plus, Synalgos-DC	4,500
Heroin		2,400
Hydrocodone	Lortab, Vicodin	6,500
Hydromorphone	Dilaudid	13,000
Levorphanol	Levo-Dromoran	87,000
Morphine		2,000
Morphine-3-Glucuronide		2,300
Morphine-6-Glucuronide		1,350
Oxycodone	OxyContin	90,000
Oxymorphone	Numorphan	280,000
Ranitidine	Zantac	2,000,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Compounds	Anacin, Datri Extra.	(iightte)
Acetaminophen	Liquiprin, Panadol, Tempra,Tylenol	500,000
Acetylsalicylic Acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	100,000
Amitriptyline	Elavil, Endep, Enovil, Emitrip	100,000
Amphetamine		1,000,000
Azithromycin	Zithromax	100,000
Benzoylecognine		1,000,000
Buprenorphine		7,500
Buproprion	Wellbutrin, Zyban	100,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	10,000
Carbamazepine	Carbatrol, Epitol, Tegretol	500,000
Chlorpromazine	Ormazine, Thorazine	10,000
Chlorzoxazone	Paraflex	1,000,000
Clomipramine	Anafranil	100,000
Clonidine	Catapres	100,000
Cyclazocine		35,000
Cyamemazine		1,000,000
Dapsone	Avlosulfon	10,000
Desipramine	Norpramin, Pertofrane	100,000
o-Desmethylvenlafaxine		1,000,000
Dextromethorphan	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	100,000
Doxepin	Adapin, Sinequan	100,000
Doxycycline Hydlate	Periostat	100,000
EDDP (Primary Methadone Metabolite)		62,500
Ephedrine	Kondon's Nasal, Pretz-D	1,000,000
Fentanyl	Duragesic, Actig, Sublimaze	500,000
Fluconazole	Diflucan	1,000,000
Fluoxetine	Prozac, Sarafem	100,000
Floritine Williams		Mark III A Mark
Fluphenazine	Permitil, Prolixin	100,000
Gabapentin	Neurontin	100,000
Hydroxyzine	Arıxanil, Apo-Hydroxyzine, Atarax, Hyzine-50	100,000
Hyoscyamine HCI	Anaspaz, Levsin	100,000

Negative Compounds	Trade Name	Concentration (ag/m)
Compounds	Advil, Haltran, Mediprene,	(ng/mL)
Ibuprofen	Motrin, Nuprin, Proen,	500,000
iouproteri	Rufen	500,000
Imipramine	Janimine, Tofranil	100,000
Lamiyudine	Epivir	100,000
Lamotrigine	Lamictal	1,000,000
Levofloxacin	Levaquin	1,000,000
Loratadine	Claritin	10,000
Maprotiline	Ludiomil	100,000
Meperidine	Demeroi	20,000
Methadone	Dolophine	500,000
3. 4	Осториялс	300,000
Methylenedioxypyrovelarone	Bath Salt	500,000
(MDPV)	Data Car	300,000
Metronidazole	Flagyl	1,000,000
Nalbuphine	Nubain	1,000,000
Naloxone	Narcan	100,000
Natrexone	Depade, ReVia	3.000,000
Norbuprenorphine		500,000
Norfentanyl		500,000
Norfluoxetine HCI		1,000,000
Normorphine		100,000
Nortriptyline	Aventyl, Pamelor	100,000
Offoxacin	Floxin	100,000
Omeprazole	Prilosec	1,000,000
Oxazepam	Serax	250,000
Paroxetine	Paxil	100,000
Pentazocine	Talwin	100,000
Phencydidine		1,000,000
Phenobarbital	Luminal	1,000,000
Propoxyphene		900,000
Prothipendyl		8,000,000
Rifampin	Rifadin	1,000,000
Risperidone	Risperdal	100,000
Secobarbital	Seconal	1,000,000
Spironolactone	Novospiroton	1,000,000
Tapentadol	Nucynta	500,000
Talwin		100,000
Terbinafine	Lamisil	1,000,000
Thebaine	· · · · · · · · · · · · · · · · · · ·	2,000
Thioridazine	Mellaril	100,000
Tramadol	Ultram	100,000
Venlafaxine	Effexor	1,000,000



Positive Compounds Trade Name Concentration (ng/mL) Noroxymorphone 250,000 Oxycodone OxyContin 100 Oxymorphone Numorphan, Numorphone, Opana 100 Oxymorphone -3β-D Glucoronide 500

Negative Compounds	Trade Name	Concentration (ng/mL)
	Anacin, Datri Extra,	2:5
Acetaminophen	Liquiprin, Panadol,	1,000,000
·	Tempra, Tylenol	.,,
6-Acetylmorphine		50,000
Acetylsalicylic Acid	Aspirin, Bufferin	1,000,000
Amitriptyline	Elavil, Endep, Enovil, Emitrip	500,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymox	500,000
Amphetamine		2,000,000
enzoylecgonine		2,000,000
aprenorphine		10,000
	Coffe-Break, Durivitan, No-	
Caffeine	Doz, Percoffedrinol N, Pro- Plus, Vivarin	1,000,000
Carbamazepine	Carbatrol, Epitol, Tegretol	1,000,000
Chlorpromazine	Ormazine, Thorazine	2,000,000
Cimetidine	Tagamet	1,000,000
Clomipramine	Aπafranil	1.000.000
Codeine		500,000
Desipramine	Norpramin, Pertofrane	1,000,000
Dextromethorphan	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	200,000
Dihydrocodeine		100,000
Doxepine	Adapin, Sinequan	200,000
Ephedrine	Kondon's Nasai, Pretz-D	2,000,000
Fentanyi	Duragesic, Actiq, Sublimaze	200,000
Fluoxetine	Prozac, Sarafem	1,000,000
Fluphenazine	Permitil, Prolixin	500,000
Heroin		300,000
Hydrocodone	Lortab, Vicodin	75,000
Hydromorphone	Dilaudid	30,000
Ibuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	1,000,000
Imipramine	Janimine, Tofranil	1,000,000
Levorphanol		200,000
Maprotiline	Ludiomil	1,000,000
Meperidine	Demerol	1,000,000
Methadone	Dolophine	1,000,000
Metronidazole	Flagyl	2,000,000
Morphine		350,000
Morphine-3-glucuronide		900,000

DRI® Oxycodone 100 ng/mL cutoff

	•	
Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Nalbuphine	Nubain	1,000,000
Naloxone	Narcan	200,000
Naltrexone	Depade, ReVia	500,000
Norcodeine		1,000,000
Normarphine		1,000,000
Noroxycodone		50,000
Norquetiapine		1,000,000
Nortriptyline	Aventyl, Pamelor	500,000
Oxazepam	Serax	500,000
Pentazocine	Talwin	500,000
Phencyclidine		1,000,000
Phenobarbital	Luminal	1,000,000
Quetiapine	Seroquel	750,000
Ranitidine	Zantac	3,000,000
Secobarbital	Seconal	1,000,000
Talwin		500,000
Thebaine		20,000
Thioridazine	Mellaril	1,000,000
Tramadol	Ultram	500,000



DRI® Oxycodone 300 ng/mL cutoff

Positive Compoun		Concentration (ng/mL)
Noroxymorphone		500,000
Oxycodone	OxyContin	300
Oxymorphone	Numorphan, Normophone, Opana	300

Negative Compounds	Trade Name	Concentration (ng/mL)
Acetaminophen	Anacin, Datri Extra, Liquiprin, Panadol,	1,000,000
	Tempra,Tylenol	
ô-Acetylmorphine		50,000
Acetylsalicylic Acid	Aspirin, Bufferin	1,000,000
Amitriptyline	Elavil, Endep, Enovil, Emitrip	500,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymox	500,000
Amphetamine		2,000,000
3enzoylecgonine		2,000,000
3uprenorphine		10,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	1,000,000
Carbamazepine	Carbatrol, Epitol, Tegretol	1,000,000
Chlorpromazine	Omnazine, Thorazine	2,000,000
Cimetidine	Tagamet	1,000,000
Clomipramine	Anafranil	1,000,000
Codeine		500,000
Desipramine	Norpramin, Pertofrane	1,000,000
Dextromethorphan	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	200,000
Dihydrocodeine		100,000
Joxepine	Adapin, Sinequan	200,000
phedrine	Kondon's Nasal, Pretz-D	2,000,000
entanyl	Duragesic, Actiq, Sublimaze	200,000
luoxetine	Prozac, Sarafem	1,000,000
luphenazine	Permitil, Prolixin	500,000
leroin		300,000
lydrocodone	Lortab, Vicodin	75,000
lydromorphone	Dilaudid	30,000
buprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	1,000,000
mipramine	Janimine, Tofranil	1,000,000
evorphanol		200,000
Maprotiline	Ludiomil	1,000,000
Meperidine	Demerol	1,000,000
Vethadone	Dolophine	1,000,000
Vetronidazole	Flagyl	2,000,000
Vorphine		350,000
Morphine-3-glucuronide		900,000
Nalbuphine	Nubain	1,000,000
Naloxone	Narcan	200,000

		
Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Naltrexone	Depade, ReVia	500,000
Norcodeine		1,000,000
Normorphine		1,000,000
Noroxycodone		50,000
Norquetiapine		1,000,000
Nortriptyline	Aventyl, Pamelor	500,000
Oxazepam	Serax	500,000
Pentazocine	Talwin	500,000
Phencyclidine		1,000,000
Phenobarbital	Luminal	1,000,000
Quetiapine	Seroquel	750,000
Ranitidine	Zantac	3,000,000
Secobarbital	Seconal	1,000,000
Talwin		500,000
Thebaine		20,000
Thioridazine	Mellaril	1,000,000
Tramadol	Ultram	500,000

And it will be the state of the



Trade Concentration (ng/mL) Compounds Name 3,4 Methylene Bath Salt 7,000 dioxypyrovalerone (MDPV) Phencyclidine (PCP) Tramadol Hydrochloride 25 Ultram 500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
	Anacin, Datri Extra,	(-9
Acetaminophen	Liquiprin, Panadol, Tempra,Tylenol	1,000,000
Acetyloyetine	rempla, rylenoi	500,000
Acetylsalicylic acid	Aspirin	1,000,000
Albuterol	Proventil, Ventolin	1,000,000
Amikacin	Amikin	1,000,000
Amitriptyline		1,000,000
Amobarbital	Amytal	1,000,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymox	1,000,000
Amphetamine		1,000,000
Atropine	Lomotil, Motofen	100,000
ompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	50,000
Buproprion	Wellbutrin, Zyban	100,000
Calcium carbonate	Oscal	1,000,000
Celecoxib	Celebrex	1,000,000
Chlorpheniramine	Aller-Chlor, Chlor-Trimeton	50,000
Chlorzoxazone	Paraflex	1,000,000
o-desmethylvenlafaxine		1,000,000
Dextromethorphan	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	1,000,000
Diphenhydramine	Banophen, Benadryl, Diphedryl, Simply Sleep	100,000
Doxepin	Adapin, Sineguan	500,000
EMDP		100,000
Fluoxetine	Prozac, Sarafem	50,000
Gentamicin	Garamycin	1,000,000
Halperidol	Haldol	1,000,000
Hydroxyzine Dihydrochloride		1,000,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	5,000,000
Imipramine		500,000
Indomethacin	Indocin, Novomethacin	100,000
Ketamine		100,000
Lamotrigine	Lamictal	1,000,000
Lithium Heparin		5,000,000
Loratadine	Claritin	500,000
Meperidine		50,000
Mesoridazine	Serentil	15,625
Methadone		1,000,000
Methaqualone	Normi-Nox, Pallidan, Somnomed, Quaalude	100,000
ethylphenidate	Ritalin	1,500

DRI® Phencyclidine (PCP) 25 ng/mL cutoff

0	
Trade Name	Concentration (ng/mL)
Flagyl, Metizol, Protostat	1,000,000
MSIR, Ms Contin, Oramorph Sr, Roxanol, Astramorph, Duramorph, Infumorph	200,000
Nubain	1,000,000
Depade, ReVia	10,000
Aleve, Anaprox, Naprosyπ	1,000,000
	1,000,000
Prilosec	1,000,000
Flexoject, Myophen, Norflex	200,000
Serax	100,000
Marplan, Nardil, Pamate	100,000
Luminal	1,000,000
	50,000
	100,000
	3,900
Phenergan	100,000
Transderm-Scop	1,000,000
Novospiroton	1,000,000
Lamisil	1,000,000
Pentothal Sodium	1,000,000
Mellaril	80,000
Tobi, Nebcin	1,000,000
Talectin	1,000,000
Desyrel	1,000,000
Proloprim, Trimpex	5,000,000
Actagen, Allerfrin, Aprodine	10,000
Vancocin	1,000,000
Effexor	1,000,000
	Flagyl, Metizol, Protostat MSIR, Ms Contin, Oramorph Sr, Roxanol, Astramorph, Duramorph, Infumorph Nubain Depade, ReVia Aleve, Anaprox, Naprosyn Prilosec Flexoject, Myophen, Norflex Serax Marplan, Nardil, Pamate Luminal Phenergan Transderm-Scop Novospiroton Lamisil Pentothal Sodium Mellaril Tobi, Nebcin Tolectin Desyrel Proloprim, Trimpex Actagen, Allerfrin, Aprodine Vancocin



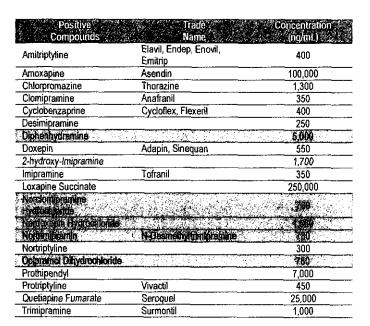
DRI® Propoxyphene 300 ng/mL cutoff

Positive Trade Compounds Name	Concentration (ng/mL)
Propoxyphene	300
Norpropoxyphene	500

Negative Compounds	Trade Name	Concentration (ng/mL)
	Anacin, Datri Extra,	
Acetaminophen	Liquiprin, Panadol,	1,000,000
	Tempra Tylenol	
Acetylsalicylic acid	Aspirin	1,000,000
Albuterol	Proventil, Ventolin	1,000,000
Amikacin	Amikin	1,000,000
A-ihinkulina	Elavil, Endep, Enovil,	50,000
Amitriptyline	Emitrip	50,000
Amoxicillin	Amoxil, Polymor, Trimox,	1,000,000
ATHOXICINIII	Wymox	1,000,000
d-Amphetamine		1,000,000
Atropine	Lomotil, Motofen	100,000
Benzoylecgonine		1,000,000
Buproprien	Wellbutrin, Zyban	100,000
Caffeine		100,000
Calcium carbonate	Oscal	5,000,000
Carbamazepine	Atretol, Carbatrol, Tegretol	20,000
Chlorpromazine	Thorazine	10,000
Chlorzoxazone	Paraflex	1,000,000
Codeine		500,000
o-Desmethylvenlafaxine		1,000,000
	Benylin DM, Delsym, Hold,	
Dextromethorphan	Perfussin 8 hr, Mediquell,	200,000
- Constant Constant	Sucrets	
B. 1 1 1 .	Banophen, Benadryl,	4 000 000
Diphenhydramine	Diphedryl, Simply Sleep	1,000,000
Doxepin	Adapin, Sinequan	500,000
	Decapryn, Nighttime Sleep	400.000
Doxylamine	Aid, Unisom	100,000
Fluoxetine	Prozac, Sarafem	50,000
Gentamicín	Garamycin	1,000,000
	Advil, Haltran, Mediprene,	
Ibuprofen	Motrin, Nuprin, Proen, Rufen	5,000,000
Imipramine	Tofranil	100,000
Indomethacin	Indocin, Novomethacin	100,000
Lamotrigine	Lamictal	1,000,000
Lithium Heparin		5,000,000
Loratadine	Claritin	500,000
Mesoridazine	Serentil	1,000,000
Methadone	Dolophine	100,000
	Normi-Nox, Pallidan,	
Methaqualone	Somnomed, Quaalude	500,000
3, 4		
Methylenedioxypyrovelarone	Bath Salt	500,000
(MDPV)		•
Methylphenidate	Ritalin	100,000
Metronidazole	Flagyl, Metizol, Protostat	1,000,000

Magatiya	Trade	Canadatration
Negative Compounds	Name	Concentration
Morphine	MSIR, Ms Contin, Oramorph Sr, Roxanol,	(ng/mL) 200,000
	Astramorph, Duramorph, Infumorph	
Nalbuphine	Nubain	1,000,000
Naltrexone	Depade, ReVia	1,000,000
Naproxen-Sodium	Aleve, Anaprox, Naprosyri	5,000,000
Norfluoxetine HCl		1,000,000
Nortriptyline	Aventyl, Pamelor	50,000
Omeprazole	Prilosec	1,000,000
Oxazepam	Serax	300,000
Phencyclidine	<u> </u>	400,000
Phenelzine	Marplan, Nardil, Parnate	100,000
Pheniramine	Opcon-A	100,000_
Phenobarbital	Luminal	1,000,000
Phenytoin	Dilantin	40,000
Pholcodine		3,900
Primidone	Mysoline	24,000
Scopolamine	Transderm-Scop	1,000,000
Secobarbital	Seconal	1,000,000
Spironolactone	Novospiroton	1,000,000
Theophylline	Elixophyllin, Quibron, Respbid, Somophyllin, Slo- Phylin, Theo-Dur, Slo-Bid, Theo-24, Theolair	40,000
Thiopental	Pentothal Sodium	1,000,000
Tobramycin	Tobi, Nebcin	1,000,000
Tolmetin	Tolectin	1,000,000
Tramadol	Ultram	500,000
Trazodone	Desyrel	1,000,000
Trimethoprim	Proloprim, Trimpex	5,000,000
Valproic Acid	Depakote	150,000
Vancomycin	Vancocin	1,000,000
Venlafaxine	Effexor	1,000,000





DRI® Tricyclics 300 ng/mL cutoff

	0	
Negative	Trade	Concentration
Compounds	Name	(ng/mL)
THORITON OF THE PARTY OF THE PA	this of the section of the	. Linearing
Fiperazine	Alegandanies	A THE SHAPE
	Anacin, Datri Extra,	
Acetaminophen	Liquiprin, Panadol,	1,000,000
	Tempra,Tylenol	
Amphetamine		500,000
Carbamazepine	Atretol, Carbatrel, Tegretol	100,000
Cocaine		100,000
	Benylin DM, Delsym, Hold,	
Dextromethorphan	Perfussin 8 hr, Mediguell,	1,000,000
	Sucrets	
Diazepam	Valium	100,000
Ethchlorvynol		500,000
Maprotiline	Ludiomil	2,000
Meperidine	Demerol	100,000
Methagualone	Normi-Nox, Pallidan,	100,000
Mediaquatorie	Somnomed, Quaalude	
Methsuximide	Celontín	100,000
	MSIR, Ms Contin,	
Morphine	Oramorph Sr, Roxanol,	100,000
Morphano	Astramorph, Duramorph,	100,000
	Infumorph	····-
Perphenazine	Trilafon	400
Phencyclidine (PCP)		1,000,000
Phenobarbital	Luminal	500,000
Phenytoin	Dilantin	100,000
Primidone	Mysoline	100,000
Promethazine HCI	Phenergan	2,000
Propoxyphene	Darvon	500,000
Secobarbital	Seconal	500,000
Trazodone HCI	Desyrel	5,000
Valproic acid	Depakene	500,000



CEDIA® Cross Reactivity Guide Revision 15

Table of Contents

CEDIA Amphetamine/Ecstasy	500 ng/mL
CEDIA Amphetamine/Ecstasy	1000 ng/mL
CEDIA Amphetamine OFT (UK)	10 ng/mL
CEDIA Amphetamine OFT (USA)	50 ng/mL
CEDIA Barbiturate	200 ng mL
CEDIA Benzodiazepine High Sensitivity	200 ng/mL
CEDIA Benzodiazepine	300 ng/mL
CEDIA Buprenorphine	5 ng/mL
CEDIA Cocaine	150 ng/mL
CEDIA Cocaine	300 ng/mL
CEDIA Heroin Metabolite (6-Acetylmorphine)	10 ng/mL
CEDIA LSD	0.5 ng/mL
CEDIA Methadone	300 ng/mL
CEDIA Methadone Metabolite (EDDP)	100 ng/mL
CEDIA Methamphetamine OFT (UK)	10 ng/mL
CEDIA Methamphetamine OFT (USA)	40 ng/mL
CEDIA Opiate	300 ng/mL
CEDIA Opiate	2000 ng/mL
CEDIA Phencyclidine	25 ng/mL
CEDIA Propoxyphene	300 ng/mL
CEDIA THC	50 ng/mL



CEDIA® Amphetamine/Ecstasy 500 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
11-nor-D9-THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	1,000,000
Acetylsalicylic acid	Aspirin, Bufferin	1,000,000
Albuterol	Salbutamol	500,000
p-Aminapropiophenone		1,000,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymox	1,000,000
Atomoxetine	Strattera	500,000
Benzoylecgonine		1,000,000
Benzphetamine		125,000
Benzylamine		300,000
Captopril	Capoten	1,000,000
Chlordiazepoxide	Libritabs, Librium, Sereen	250,000
Chloroquine	Aralen	125,000
Chlorpheniramine	Aller-Chlor, Chlor- Trimeton, Edifac 24, Chlorphenamine	1,000,000
Chlorpromazine	Thorazine	1,000,000
Cimetidine	Tagamet	500,000
Citalopram	Celexa	500,000
Clozapine	Cłozaril, Leponex, Fazacko	500,000
Codeine		1,000,000
Cyclohexylamine		350,000
Cyclopentylamine		500,000
o-Desmethylvenlafaxine		500,000
Diazepam	Valium, Valrelease, Vazepam	100,000
Diethylpropion	Tenuate	500,000
Digoxin	Lanoxin	1,000,000
Diphenhydramine HCl	Banophen, Benadryl, Diphedryl, Simply Steep	1,000,000
Enalapril	Vasotec	1,000,000
Ephedrine	Kondon's Nasal, Pretz-D	150,000
d-Ephedrine	Transcond Traces, Trace D	100,000
1-Ephedrine		1,000,000
Fencamfamine		7,500
Fluoxetine	Prozac, Sarafem	500,000
Fluvoxamine	Luvox	1,000,000
Gabapentin	Neurontin	1,000,000
p-Hydroxy-norephedrine	Hodronali	1,000,000
lbuprofen	Advil, Haltran, Mediprene, Motrin,	1,000,000
-	Nuprin Proen, Rufen	
•	Nuprin, Proen, Rufen Tofranil	1,000.000
Imipramine		1,000,000
Imipramine Isoproterenol	Tofranil Isuprel	500,000
Imipramine Isoproterenol Isoxsuprine	Tofranil Isuprel Vasodilan, Voxsuprine	
Imipramine Isoproterenol	Tofranil Isuprel Vasodilan, Voxsuprine Normodyne, Trandate	500,000 1,000,000
Imipramine Isoproterenol Isoxsuprine Labetalol Levothyroxine (T4)	Tofranil Isuprel Vasodilan, Voxsuprine	500,000 1,000,000 1,000,000
Imipramine Isoproterenol Isoxsuprine Labetalol Levothyroxine (T4) Lisinopril	Tofranil Isuprel Vasodilan, Voxsuprine Normodyne, Trandate Synthroid	500,000 1,000,000 1,000,000 100,000
Imipramine Isoproterenol Isoxsuprine Labetalol Levothyroxine (T4) Lisinopril Losartan Potassium	Tofranil Isuprel Vasodilan, Voxsuprine Normodyne, Trandate Synthroid	500,000 1,000,000 1,000,000 100,000 1,000,000
Imipramine Isoproterenol Isoxsuprine Labetalol Levothyroxine (T4) Lisinopril Losartan Potassium Mazindol	Tofranil suprel Vasodilan, Voxsuprine Normodyne, Trandate Synthroid Prinivil, Zestril Mazanor, Sanorex	500,000 1,000,000 1,000,000 100,000 1,000,000
Imipramine Isoproterenol Isoxsuprine Labetalol Levothyroxine (T4) Lisinopril Losartan Potassium	Tofranil Isuprel Vasodilan, Voxsuprine Normodyne, Trandate Synthroid Prinivil, Zestril	500,000 1,000,000 1,000,000 100,000 1,000,000
Imipramine Isoproterenol Isoxsuprine Labetalol Levothyroxine (T4) Lisinopril Losartan Potassium Mazindol Metaproterenol	Tofranil suprel Vasodilan, Voxsuprine Normodyne, Trandate Synthroid Prinivil, Zestril Mazanor, Sanorex Alupent, Metaprel	500,000 1,000,000 1,000,000 100,000 1,000,000

Positive Compounds	Trade Name	Concentrațioi (ng/mL)
d-Amphetamine	1921	500
d,I-Amphetamine		600
I-Amphetamine		50,000
Benzodioxazolylbutanamine (BDB)		700
1-Benzylpiperazine		75,000
Bupropion	Wellbutrin, Zyban	9,000
Cathinone		125,000
4-Chloroamphetamine		3.000
2 Calculation of the Calculation	Para Paragon : 2	
Dimethylamylamine (DMAA)	Geranium oil extract, Jack3, OxyELITE	40,000
-Ephedrine		100,000
Fenfluramine	Pondimin	1,350
Fenofibrate	Tricor	100,000
4-Fluoroamphetamine		15,500
p-Hydroxyamphetamine		3,075
Mebevenne	Duspatal	1,500
Mephentermine	Wyamine	10,000
d-Methamphetamine		500
d,I-Methamphetamine	Desoxyn	700
I-Methamphetamine		2,800
Methcathinone		31,000
n, visitovanis temponistiko: Angologia (1964) (Septembri)		
N-methyl-1-(3,4- Methylenedioxyphenyl)-2-		500
Methyl-1-(3,4- Methylenedioxyphenyl)-2- butanamine (MBDB) 3,4-Methylenedioxy-amphetamine (MDA)		m
Methyl-1-(3,4- Methylenedioxyphenyl)-2- butanamine (MBDB) 3,4-Methylenedioxy-amphetamine (MDA) 3,4- Methylenedioxyethylamphetamine		500
Methylenedioxyphenyl)-2- butanamine (MBDB) 3,4-Methylenedioxy-amphetamine (MDA) 3,4- Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA)		500 500
Methylenedioxy-amphetamine (MDEA) 3,4-Methylenedioxy-amphetamine (MDA) 3,4-Methylenedioxy-amphetamine (MDEA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxy-methamphetamine (MDEA) 3,4-Methylenedioxy-methamphetamine (MDMA) 3,4 Methylenedioxy-pyrovalerone (MDPV)	Bath Salt	500 500 300 250 63,000
Methylenedioxyethylamphetamine (MDA) 3,4-Methylenedioxyethylamphetamine (MDA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxyethylamphetamine (MDMA) 3,4-Methylenedioxyethylamphetamine (MDMA) 3,4-Methylenedioxyethylamphetamine (MDMA) 4,4-Methylenedioxyethylamphetamine (MDMA) 4,9-Methylenedioxyethylamphetamine (500 500 300 250 63,000 63,000
Methylenedioxy-amphetamine (MDEA) 3,4-Methylenedioxy-amphetamine (MDA) 3,4-Methylenedioxy-amphetamine (MDEA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxy-methamphetamine (MDEA) 3,4-Methylenedioxy-methamphetamine (MDMA) 3,4 Methylenedioxy-pyrovalerone (MDPV)	Preludin	500 500 300 250 63,000
Methylenedioxyethylamphetamine (MDA) 3,4-Methylenedioxyethylamphetamine (MDA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxyethylamphetamine (MDMA) 3,4-Methylenedioxyethylamphetamine (MDMA) 3,4-Methylenedioxyethylamphetamine (MDMA) 4,4-Methylenedioxyethylamphetamine (MDMA) 4,9-Methylenedioxyethylamphetamine (Preludin Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine,	500 500 300 250 63,000 63,000
Methyl-1-(3,4- Methylenedioxyphenyl)-2- butanamine (MBDB) 3,4-Methylenedioxy-amphetamine (MDA) 3,4- Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA) 3,4-Methylenedioxy- methamphetamine (MDMA) Methylenedioxy-pyrovalerone (MDPV) Mephedrone Phenmetrazine	Preludin Adipex, Fastin, Ionamin, Obenix, Obephen,	500 500 300 250 63,000 63,000 1,260 15,000
Methylenedioxyehoptly-2-butanamine (MBDB) 3,4-Methylenedioxy-amphetamine (MDA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxy-methamphetamine (MDMA) 3,4-Methylenedioxy-methamphetamine (MDMA) 3,4 Methylenedioxy-pyrovalerone (MDPV) Mephedrone Phenmetrazine	Preludin Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine,	500 500 300 250 63,000 1,260
Methyl-1-(3,4- Methylenedioxyphenyl)-2- butanamine (MBDB) 3,4-Methylenedioxy-amphetamine (MDA) 3,4-Methylenedioxyethylamphetamine (MDEA) 3,4-Methylenedioxy-methamphetamine (MDMA) 3,4-Methylenedioxy-methamphetamine (MDMA) 3,4-Methylenedioxy-pyrovalerone (MDPV) Mephedrone Phenmetrazine Phentermine b-Phenylethylamine	Preludin Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine Acutrim, Dexatrim, Dura-	500 500 300 250 63,000 63,000 1,260 15,000
(MDPV) Mephedrone Phenmetrazine Phentermine b-Phenylethylamine d,I-Phenylpropanolamine	Preludin Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine Acutrim, Dexatrim, Dura-	500 500 300 250 63,000 1,260 15,000 150,000

Methyldopa

Aldomet

1,000,000



CEDIA® Amphetamine/Ecstasy 500 ng/mL cutoff

Negative	Trade	Concentration
Compounds 1 N Methylophodics	Name	(ng/mL)
1-N-Methylephedrine Methylphenidate	Ritalin	1,000,000
t N. Methylpseudoophads	KIIBIIN	500,000
1-N-Methylpseudoephedrine		300,000
Mediatoriamida HO Mexiletine		1-000,000
	Mexitil	20,000
Morphine	AK-Con, Albalon, Clear	1,000,000
Naphazoline	AR-Con, Albaion, Clear Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu- Zoline, Opcon, VasoClear	150,000
Nifedipine	Procardia	50,000
I-Norpseudoephedrine		250,000
Nylidrin	Arlidin	1,000,000
Oxymetazoline	Dristan, Sinarest	1,000,000
Perindopril	Coversyl	1,000,000
Phencyclidine (PCP)		1,000,000
Phendimetrazine	Bontril, Plegine	7,500
Phenelzine	Nardil, Parnate, Marplan	62,500
Phenobarbital	Luminal	1,000,000
Phenothiazine		125,000
I-Phenylephrine		250,000
d-Phenylpropanolamine		500,000
I-Phenylpropanolamine		100,000
-Propoxyphene	Darvon	1,000,000
anitidine	Zantac	250,000
Ritodrine	Yutopar	1,000,000
Salbutamol		500,000
Salicyluric acid		1,000,000
Scot alamine N-Butyl Bromide	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,000,000
Secobarbital	Seconal	1,000,000
Selegiline	Eldepryl	10,000
Tetrahydrozoline	Tyzine, Visine	100,000
Thioridazine	Mellaril	1,000,000
Tołmetin	Tolectin	500,000
Tranylcypromine	Pamate	40,000
Tuaminoheptane		10,000
Tyramine		30,000
3-OH-Tyramine		400,000
Ventafaxine	Effexor	500,000
Verapamil	Isoptin, Verelan	1,000,000
Xylometazoline	Otrivin	1,000,000
Zoxazolamine		1,000,000

Page 2 of 2



CEDIA® Amphetamine/Ecstasy 1000 ng/mL

Negative Compounds	Trade Name	Concentration (ng/mL)
11-nor-D9-THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadot, Tempra, Tylenol	1,000,000
Acetylsalicylic acid	Aspirin, Bufferin	1,000,000
Albuterol	Salbutamol	500,000
p-Aminopropiophenone		1,000,000
Amoxicillin	Amoxil, Polymor, Trimox, Wyrnox	1,000,000
Atomoxetine	Strattera	500,000
Benzoylecgonine		1,000,000
Benzphetamine		250,000
Benzylamine		1,000,000
Captopril	Capoten	1,000,000
Chlordiazepoxide	Libritabs, Librium, Sereen	250,000
Chloroquine	Aralen	250,000
Chlorpheniramine	Aller-Chlor, Chlor-Trimeton, Edifac 24, Chlorphenamine	1,000,000
Chlorpromazine	Thorazine	1,000,000
Cimetidine	Tagamet	500,000
Citalopram	Celexa	1,000,000
Clozapine	Clozaril, Leponex, Fazacio	1,000,000
Codeine		1,000,000
Cyclohexylamine		500,000
Cyclopentylamine		500,000
o-Desmethylvenlafaxine		1,000,000
Diazepam	Valium, Valrelease, Vazepam	100,000
Diethytpropion	Tenuate	500,000
Digoxin	Lanoxin	1,000,000
Diphenhydramine HCI	Banophen, Benadryl, Diphedryl, Simply Sleep	1,000,000
Enalapril	Vasotec	1,000,000
Ephedrine	Kondon's Nasal, Pretz-D	250,000
d-Ephedrine		200,000
Fencamfamine		10,000
Fluoxetine	Prozac, Sarafem	500,000
Fluvoxamine	Luvox	1,000,000
Gabapentin	Neurontin	1,000,000
p-Hydroxy-norephedrine		1,000,000
Ibuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	1,000,000
Imipramine	Tofranil	1,000,000
Isoproterenol	Isuprel	1,000,000
Isoxsuprine	Vasodilan, Voxsuprine	1,000,000
Labetalol	Normodyne, Trandate	1,000,000
Levothyroxine (T4)	Synthroid	100,000
Lisinopril	Prinivil, Zestril	1,000,000
Mazindol	Mazanor, Sanorex	500,000
Metaproterenol	Alupent, Metaprel	1,000,000
Metaraminol	Aramine	750,000
Methadone	Dolophine	1,000,000
Methoxyphenamine		400,000
Methyldopa	Aldomet	1,000,000
1-N-Methylephedrine		1,000,000
Methylphenidate	Ritalin	500,000
1-N- Methylpseudoephedrine		500,000

Compounds	Frade Name	Concentration (ng/mL)
d-Amphetamine		1000
d,l-Amphetamine		1,100
I-Amphetamine		100,000
Benzodioxazolylbutanamine (BDB)		1,300
1-Benzylpiperazine		150,000
Bupropion	Wellbutrin, Zyban	18,000
Cathinone		250,000
4-Chloroamphetamine		7,500
(4 Chicrophenyl Piperatine	m-GPP, Tippediale	1000
Dimethylamylamine (DMAA)	Geranium oil extract, Jack3, OxyELITE	80,000
I-Ephedrine		200,000
Fenfluramine	Pondimin	3,000
Fenofibrate	Tricor	150,000
4-Fluoroamphetamine		31,000
p-Hydroxyamphetamine		5,000
Mebeverine	Duspatal	3,000
Mephentermine	Wyamine	15,000
d-Methamphetamine		1000
d,l-Methamphetamine	Desoxyn	1,300
I-Methamphetamine		5,600
Methcathinone		125,000
p-Methogyangushanung (Plata produkshingus	3 X X	
N-methyl-1-(3,4-Methylene-		
dioxyphenyl)-2-butanamine (MBDB)		900
3,4-Methylenedioxy-		900
amphetamine (MDA)		900
amphetamine (MDA) 3,4-Methylenedioxy-		900
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA)		
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy-		
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA)		600
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA) 3,4 Methylene-	Bath Salt	600
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA) 3,4 Methylene- dioxypyrovalerone (MDPV)	Bath Salt	600 500 125,000
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA) 3,4 Methylene- dioxypyrovalerone (MDPV) Mephedrone		600 500 125,000
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA) 3,4 Methylene- dioxypyrovalerone (MDPV)	Preludin	600 500 125,000
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA) 3,4 Methylene- dioxypyrovalerone (MDPV) Mephedrone	Preludin Adipex, Fastin, Ionamin, Obenix, Obephen,	600 500 125,000
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA) 3,4 Methylene- dioxypyrovalerone (MDPV) Mephedrone Phenmetrazine	Preludin Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine,	500 125,000 125,000 2,500
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA) 3,4 Methylene- dioxypyrovalerone (MDPV) Mephedrone Phenmetrazine	Preludin Adipex, Fastin, Ionamin, Obenix, Obephen,	600 500 125,000 125,000 2,500 30,000
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA) 3,4 Methylene- dioxypyrovalerone (MDPV) Mephedrone Phenmetrazine	Preludin Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine,	500 125,000 125,000 2,500
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA) 3,4 Methylene- dioxypyrovalerone (MDPV) Mephedrone Phenmetrazine Phentermine b-Phenylethylamine d,i-Phenylpropanolamine	Preludin Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine Acutrim, Dexatrim, Dura-	600 500 125,000 125,000 2,500 30,000
amphetamine (MDA) 3,4-Methylenedioxy- ethylamphetamine (MDEA) 3,4-Methylenedioxy- methamphetamine (MDMA) 3,4 Methylene- dioxypyrovalerone (MDPV) Mephedrone Phenmetrazine Phentermine b-Phenylethylamine	Preludin Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine Acutrim, Dexatrim, Dura-	600 500 125,000 125,000 2,500 30,000 10,000 300,000

40,000



CEDIA® Amphetamine/Ecstasy 1000 ng/mL

Negative Compounds	Trade Name	Concentration (ng/mL)
Morphine		1,000,000
Naphazoline	AK-Con, Albalon, Clear Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu-Zoline, Opcon, VasoClear	250,000
Nifedipine	Procardia	50,000
I-Norpseudoephedrine		500,000
Nylidrin	Arlidin	1,000,000
Oxymetazoline	Dristan, Sinarest	1,000,000
Perindopril	Coversyl	1,000,000
Phencyclidine (PCP)		1,000,000
Phendimetrazine	Bontril, Plegine	15,000
Phenelzine	Nardil, Parnate, Marplan	125,000
Phenobarbital	Luminal	1,000,000
Phenothiazine		250,000
I-Phenylephrine		500,000
d-Phenylpropanolamine		1,000,000
I-Phenylpropanolamine		200,000
d-Propoxyphene	Darvon	1,000,000
Ranitidine	Zantac	250,000
Ritodrine	Yutopar	1,000,000
Salbutamol		500,000
Salicyluric acid		1,000,000
Scopplarpine N-Bulyl Bromidé		1,000,000
cobarbital	Seconal	1,000,000
Selegiline	Eldepryl	17,500
Tetrahydrozoline	Tyzine, Visine	200,000
Thioridazine	Mellaril	1,000,000
Tolmetin	Tolectin	500,000
Tranylcypromine	Parnate	70,000
Tuaminoheptane		20,000
Tyramine		45,000
3-OH-Tyramine		1,000,000
Venlafaxine	Effexor	1,000,000
Verapamil	Isoptin, Verelan	1,000,000
Xylometazoline	Otrivin	1,000,000
Zoxazolamine		1,000,000



CEDIA® Amphetamine OFT (UK) 10 ng/mL cutoff

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Metoprolol		10,000
Morphine		20,000
Nicotine		20,000
Nifedipine		20,000
Norchlordiazepoxide		20,000
Nordiazepam		20,000
Penicillin		20,000
Pentobarbital		20,000
Phencyclidine		20,000
Phenethylamine		100
Phenobarbital		20,000
Phentermine		300
Phenylephrine		1,000,000
Phenylpropanolamine		25,000
Procainamide		1,000
Procaine		1,000,000
Propoxyphene		20,000
d-pseudoephedrine		1,000,000
I-pseudoephedrine	<u> </u>	1,000,000
Ranitidine		4,000
Salicyluric Acid		20,000
Secobarbital		20,000
Syneohithe		100.000
Temazepam		20,000
Theophylline		20,000
Tolmetin		20,000
Δ9-THC		1,000
11-nor-Δ9-THC-COOH	**************************************	20,000
Verapamil		20,000
Zomepirac		20,000

Positive Trade Compounds Name	Concentration (ng/mL)
d-Amphetamine	10
Cycle as amine	1,000,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Acetaminophen		20,000
Acetylsalicylic Acid		20,000
Alprazolam		20,000
Amobarbital		20,000
Amoxicillin		20,000
I-amphetamine		530
Atropine		20,000
Benzoylecgonine		20,000
Butabarbital		20,000
Butabital		20,000
Caffeine		20,000
Captopril		20,000
Chlordiazepoxide		20,000
Chlorpromazine		20,000
Cimetidine		20,000
Clonazepam		20,000
Clorazepate		20,000
Cocaine		20,000
Codeine		20,000
		20,000
Cyclizine		20,000
Dextromethorphan		20,000
Diazepam		
Digoxin		20,000
Enalapril		20,000
d-ephedrine		400,000
1-ephedrine		1,000,000
Fenfluramine		130,000
Fluoxetine		20,000
Gentisic Acid		20,000
Hydrocodone		20,000
Ibuprofen		20,000
Imipramine		20,000
Lidocaine		20,000
Loperamide		20,000
Medazepam		20,000
Meperidine		20,000
Versione *	<u></u>	1,000,000
Mephentermine		30,000
Methadone		20,000
d-Methamphetamine		15,000
I-Methamphetamine		30,000
PMA (4- methoxyamphetamine)		20,000
PMMA (4-		
methoxyamphetamine)		50,000
MDA		8,000
MDEA (3,4-MDE)		50,000
MOMA		50,000
1410/1917		20,000



Positive Trade Concentration Compounds Name (ng/mL) d-Amphetamine 50

Negative Compounds	Trade Name	Concentration (ng/mL)
Acetaminophen	right	60,000
Acetylsalicylic Acid		60,000
Alprazolam		30,000
Amobarbital		30,000
Amoxicillin	·····	12,000
d.l-Amphetamine		240
I-Amphetamine		6,000
Ampicillin		30,000
Atropine		30,000
Benzoylecgonine		60,000
Butabarbital		30,000
Butabital		30,000
Caffeine		60,000
Captopril		60,000
Chlordiazepoxide		60,000
lorpromazine		30,000
cimetidine		60,000
Clonazepam		30,000
Clorazepate		30,000
Cocaine		30,000
Codeine		12,000
I-Cotinine		30,000
Cyclizine		30,000
Cyclohexylamine	<u></u>	1,000,000
Dextromethorphan		30,000
Diazepam		60,000
Digoxin		12,000
Diphenhydramine		3,000,000
Doxylamine	<u> </u>	3,000,000
Enalapril		60,000
d-Ephedrine		3,000,000
d,I-Ephedrine		3,000,000
I-Ephedrine		3,000,000
_Fenfluramine		300,000
Fluoxetine		60,000
Gentisic Acid		30,000
Hydrocodone		30,000
Hydromorphone		30,000
Ibuprofen		60,000
Imipramine		30,000
Isoxsuprine		3,000,000
Levothyroxine		6,000
Lidocaine		30,000
Loperamide		30,000
MDA		90,000
MDEA (3,4-MDE) MDMA		600,000
RALIBAA		COO 000
edazepam	·- <u>-</u>	600,000 30,000

CEDIA® Amphetamine OFT (USA) 50 ng/mL cutoff

Negative Compounds	Trade Name	Concentration
Compounds Meperidine	Name	(ng/mL) 30,000
Mernedrone	Provide the second of the	30,000
Mephentermine		600,000
Methadone		60,000
d-Methamphetamine		225,000
		360,000
d,l-Methamphetamine I-Methamphetamine		900,000
PMA (4-		30,000
methoxyamphetamine) PMMA (4-		
methoxyamphetamine)		30,000
Metoprolol		30,000
		12,000
Morphine Nicotine		30.000
Nifedipine Nearblandia annui da		60,000
Norchlordiazepoxide		30,000
Nordiazepam Penicillin		30,000
		30,000
Pentobarbital		30,000
Phencyclidine		60,000
Phenethylamine		1,950
Phenobarbital		60,000
Phentermine		9,000
Phenylephrine		3,000,000
Phenylpropanolamine		90,000
Procainamide		30,000
Procaine		3,000,000
Propoxyphene		60,000
d-pseudoephedrine		3,000,000
I-pseudoephedrine		3,000,000
Ranitidine		12,000
Salicyluric Acid		60,000
Secobarbital		60,000
Syciephtine		(\$186,00)
Temazepam		30,000
Theophylline		30,000
Tolmetin		30,000
Δ9-THC		30,000
11-nor-Δ9-THC-COOH		1,200
Verapamil		60,000
Zomepirac		30,000

Page 1 of 1



Positive Compounds	Trade Name	Concentration (ng/mL)
Amobarbital	Amytal	180
Aprobarbital	Alurate	250
Barbital	Deba	1.100
Butabarbital	Butisol, Buticaps, Busodium	260
Butalbital	Butalgen, Fiorgen, Fiorinal, Fiormor, Isobutyl, Isolin, Isollyl, Laninoif	220
Butethai	Etoval	310
Cyclopentobarbita!		170
Hexobarbital		100,000
p-Hydroxyphenobarbital H₂O		500,000
Mephobarbital	Mebaral	100,000
Metharbital	Gemoril	100,000
Methsuximide	Celontin	500,000
Pentobarbital	Nembutal	300
Phenobarbital	Luminal	240
Secobarbital	Seconal	200
Talbutal		125

Negative Compounds	Trade Name	Concentration (ng/mL)
Allopurinol	Alioprim, Apo-Aliopurinol, Lopurin, Novopurol, Purhol	500,000
Alphaprodine HCI		500,000
Alprazolam	Tafil, Valeans, Xanax, Xandor	500,000
a-OH-Alprazolam		500,000
Alprenolol HCl		500,000
Amantadine HCI	Symadine, Symmetrel	500,000
p-Aminobenzoic acid (PABA)		500,000
Aminoglutethimide	Cytadren, Orimeten	500,000
-Aminopyrine		500,000
Amitriptyline HCl	Elavil, Endep, Enovil, Emitrip	500,000
Ammonium chloride		500,000
Amoxapine	Asendin	500,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymox	100,000
Amphetamine		500,000
d-Amphetamine		100,000
Ampicillin Na+salt	Omnipen, Principen, Marcillin, Totacillin	500,000
Ampicillin anhydrous		500,000
Aniline HCI		500,000
I-Ascorbic acid	Ascorbícap, Cepid, Cecon, Cevalin, Flavorcee, Nice, Vita-C	500,000
Aspartame	Equal, Nutrasweet	500,000
Astemizole	Hismanal	500,000
Atenolol	Tenormin	500,000
Atropine SO ₄ monohydrate	Atropen, Attropisol, Atrosulf, Saltropine	500,000
Aviosulfon	Dapsone	10,000
Azithromycin	Zithromax	100,000
Barbituric Acid		500,000
Beclomethasone dipropionate	Beclovent	500,000
Bernegride		500,000
Benactyzine		500,000
Benzocaine	Anbesol, Americaine, Otic, Hurricaine, Orajel, Zilactin	500,000
Benzoic acid	Atrosept, Dolsed, Prosed, UAA, Uridon, Urised, Uritab, Uritin	500,000
Benzonatate	Tessalon	500,000
Benzophenone		500,000
Benzotropine mesylate	Cogentin	500,000
Benzoylecgonine		500,000
Benzylamine HCl	Dennid Harboth	500,000
Bethanechol chloride	Duvoid, Urabeth	500,000
Bromazepam Bromocriptine mesylate	Lectopam Ergoset, Partodel	500,000 500,000
Brompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	500,000
Bupivacaine	Marcaine, Sensorcaine	500,000
Buprenorphine	Buprenex	500,000
Bupropion	Wellbutrin, Zyban	100,000
Buspirone HCl	Buspar	500,000
Butorphanol	Stadol	500,000
Butyrophenone		500,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
1,3-Dimethylbarbituric Acid		500,000
1-Phenylcyclohexylamine		500,000
4-OH-PCP HCI		500,000
5,5-Diphenylhydantoin (Phenytoin)	Dilantin	500,000
 5-Hydroxyindole-2- Carboxylic Acid 		500,000
5-Hydroxyindole-3-Acetic Acid		500,000
5-Hydroxytryptamine (Serotonin)		500,000
3, 4 Methylenedioxy- pyrovalerone (MDPV)	Bath Salt	500,000
6-Monoacetyl morphine		100,000
8,11-di-OH-D ^s -THC		100,000
10,11- Dihydrocarbamazepine		500,000
11-nor-D9-THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetanilide		500,000
Acetazolamide	Diamox, Acetazolam	500,000
N-Acetyl-1-cysteine	Mucomyst, Mucosil, Parvolex	500,000
N-Acetylprocainamide		500,000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	500,000
Albuterol	Proventit, Ventolin, Salbutamol	500,000



Negative Compounds	Trade Name	Concentration (ng/mL)
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro-	500,000
	Plus, Vivarin	500,000
Calcium hypochlorite		500,000
Captopril	Capoten	500,000
Carbamazepine	Atretol, Carbatrel, Tegretol	500,000
Carbamazepine-10,11- Epoxide	-	500,000
Carisoprodol	Rela, Sodol, Soma, Soprodol, Soridel	500,000
Cefadroxil monohydrate	Duricet, Ultracef	500,000
Cefuroxime Na*	Zinacef	500,000
Cephalexin H ₂ O	Cefanex, Keflex	500,000
Cephaloridine		500,000
Cephradine	Velosef, Anspor	500,000
Chloramphenicol	Chloroptic, Chloromycetin, Ocu-Chlor	500,000
Chlordiazepoxide	Libritabs, Librium, Sereen	100,000
Chloroquine PO ₄	Aralen	500,000
Chlorothiazide	Diuril	500,000
Chlorotrianisene	Tace	500,000
Chlorpheniramine maleate	Aller-Chlor, Chlor-Trimeton, Edifac 24, Chlorphenamine	500,000
Chlorpromazine HCI	Thorazine	500,000
Chlorpropamide	Diabinese, Glucamide	500,000
Chlorprothixene	Taractan	500,000
Chlorzoxazone	Paraflex, Parafon Forte DSC	500,000
olesterol		500,000
Cimetidine	Tagamet	500,000
Cinoxacin	Cinobac	500,000
Ciprofloxacin HCI	Cipnol	500,000
Clemastine fumarate	Antihist-1, Tavist	500,000
Clindamycin	Cleocin	500,000
Clomipramine HCl	Anafranil	500,000
Clonazepam	Klonopin	100,000
Clonidine HCl	Catapres	500,000
Clotrimazole	Mycelex	500,000
Cloxacillin Na+	Cloxapen, Dynapen, Pathocil, Tegopen	500,000
Cocaine		500,000
Codeine		500,000
Colchicine		500,000
Cortisol	A-HydroCort, Hydrocortone Acetate, Solu-Cortef, Hydrocortisone	500,000
Cortisone	Cortone	500,000
(-)Cotinine	JOHOHO	500,000
Creatine hemisulphate		500,000
Cyclazocine		500,000
Cyclizine	Happytrip, Marezine	500,000
Cyclobenzaprine	Cycloflex, Flexeril	500,000
Cyclohexylamine	= / station, t testorii	500,000
Cyclophosphamide H ₂ O	Cytoxan, Neosar	500,000
Cyproheptadine	Periactin	500,000
Demoxepam	- Service and	500,000
Deoxycorticosterone		500,000
Deoxyepinephrine HCI		500,000
Desalkylfurazepam		500,000
Desipramine HCI	Norpramin, Petrofrane	500,000
desmethylvenlafaxine	· · » Promiting i Sponorio	1,000,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
	Benylin DM, Delsym, Hold,	
Dextromethorphan HBr	Perfussin 8 hr, Mediquell,	500,000
B:	Sucrets	FAA 000
Diacetyl morphine	Heroin	500,000
Diazepam	Valium, Valrelease,	500,000
	Vazepam	COO 000
Dibucaine HCI	Nipercainal	500,000
Diclofenac	Cataflam, Pennsaid, Voltaren	500,000
District 101	Antipas, Bentyl	F00 000
Dicylomine HCI	Hydrochloride, Dibent, Dilomine	500,000
Die Neuden - 1 - Le	Dilomine	500 000
Diethylsuccinate	Databid	500,000
Diflunisal	Dolobid	500,000
Digoxin	Lanoxin	100,000
Dihydrocodeine	DHC Plus, Synalgos-DC	100,000
Diltiazem HCI	Cardizem, Dilacor,	500,000
	Dilitazem, Tiazac	
Diphenhydramine HCI	Banophen, Benadryl,	500,000
	Diphedryl, Simply Sleep	
Diphenoxylate HCI	Lomotil	500,000
Dipyridamole	Persantine, Permole	100,000
Disulfiram	Antabuse	500,000
I-Dopa	Dopar, Larodopa	500,000
Dopamine HCI	Dopastat, Intropin	500,000
Doxepin HCI	Adapin, Sinequan	500,000
Doxycycline	Vibramycin, Monodox	100,000
Doxylamine succinate	Decapryn, Nighttime Sleep	500,000
	Aid, Unisom	
Dronabinol (Dº-THC)	Marinol	100,000
Ecgonine		500,000
Ecgonine methyl ester		500,000
EMDP (Secondary Methadone Metabolite)		500,000
Enalapril maleate	Vasotec	500,000
Ephedrine	Kondon's Nasal, Pretz-D	500,000
I-Ephedrine	1101001011200,11020	500,000
Lpricariio	Adrenalin, AsthmaHaler,	000,000
I-Epinephrine	Bronitin, Epifrin, Primatene,	500,000
1 Epinopiinie	Vaponefrin	400,000
	AK-Mycin, E-Mycin, Eryc,	
I-Erythromycin	Ery-Tags, Ilosone,	500,000
Liyanomyoki	Wyamycin	500,000
	Alora, Climara,	
	Delestrogen, DepGynogen,	
	Depo-Estradiol, Depogen,	
	E-Cypionae, Esclim, Estinyl,	
	Estrace, Estraderm,	
	Estragyn LA 5, Estring.	
b-Estradiol (E-2)	EstroCyp, Estro-L.A.,	500,000
	FemPatch, Gynodiol,	
	Gynodial, Gynogen L.A.,	
	Innofem, Menaval, Noven,	
	Vagifem, Valergen, Vivelle,	
	Vievelle-Dot	
Estriol (E-3)		100,000
	Estragyn, Estratab,	
Estrone-3-Sulfate, Na+ (E-1)	Kestrone, Menest, Ogen,	500,000
(= 1)	Ortho-Est	/
Ethambutol 2HCl	Myambutol	500,000
Ethamivan	,	500,000
Ethinamate	***************************************	100,000
		100,000



Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Ethinyl Estradiol	Estinyl	100,000
Ethosuximide	Zarontin	100,000
Famotidine	Pepcid, Pepcid AC	500,000
Fenfluramine HCI	Pondimin	100,000
Fenoprofen	Naifon	500,000
Fentanyl citrate	Duragesic, Actiq, Sublimaze	100,000
Fluconazole	Diffucan	100,000
Flufenamic acid		500,000
Flunitrazepam	Rohypnol	100,000
Fluoxetine HCI	Prozac, Sarafem	500,000
Fluphenazine HCI	Prolixin	100,000
Flurazepam	Dalmane, Durapam	100,000
Flurbiprofen	Ansaid	500,000
Furosemide	Lasix	500,000
Gabapentin	Neurontin	100,000
Gentisic acid		500,000
Glutethimide		500,000
Glyburide	Diabeta, Glybenclamide, Micronase	500,000
Glycopyrrolate	Robinul	500,000
Griseofulvin	Fulvicin, Grifulvin, Grisactin, Gris-PEG	500,000
Guaiacol Glycerol Ether (Guaifenesin)	Actifed, Drixoral, Robitussin, Hytuss	500,000
Guanethidine SO ₄	Ismelin	500,000
Halazepam	Paxipam	500,000
Haloperidol	Haldol, Peridol	500,000
Hippuric Acid	raido, rendo	500,000
Hydralazine	Apresoline	500,000
Hydrochlorothiazide	Esidrix, Hydro-DIURIL, Hydro-D, Oretic	500,000
Hydrocodone bitartrate	Lortab, Vicodin	100,000
Hydromorphone HCI	Difaudid	100,000
p-Hydroxyephedrine		500,000
	Anxanil, Apo-Hydroxyzine,	
Hydroxyzine 2HCl	Atarax, Hyzine-50	500,000
Hyoscyamine	Anaspaz, Levsin	1,000,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	500,000
Imipramine	Tofranil	500,000
Indapamide	Lozol	500,000
Indole-3-acetic acid	Heteroauxin, Rhizopin	500,000
Indole-3-butyric acid	Hormodin, Seradix	500,000
Indomethacin	Novomethacin, Indocin	500,000
Insulin chain b, oxidized	Humalog, Humuline, fletin, Lantus, Novolin, NovoRapid, NovoLog,	500,000
Ipratropium Br	Oralin, Velosulin Attrovent	500,000
Ipratropium Br Iproniazid PO4 salt	\u2014€III	500,000
Isoetharine mesylate	Bronkomrter, Bronkosol, Dey-Dose, Dey-Lute, Isoetharine	500,000
Isoniazid	Laniazid, Tubizid, INH	500,000
Isoproterenol HCI	Isuprel	500,000
Isoxsuprine HCI	Vasodilan, Voxsuprine	500,000
Kanamycin SO ₄	Kantrex	500,000
Ketamine HCI	Ketalar	500,000
Ketoprofen	Orudis, Oruvail	500,000
Labetalol	Normodyne, Trandate	500,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Lamivudine	Epivir	100,000
Lamotrigine	Lamictal	1,000,000
LAMPA		100,000
Levofloxacin	Levaquin	100,000
Levorphanol tartrate	Levo-Dromoran	100,000
Levothyroxine (T ₄)	Synthroid	50,000
Lidocaine	Xylocaine	500,000
Lisinopril	Zestril	500,000
Lithium carbonate		500,000
Loperamide	lmodium	500,000
Loratadine	Claritin	10,000
Lorazepam	Ativan	500,000
Lormetazepam		500,000
Loxapine succinate	Loxitane	500,000
Lysergic acid		500,000
d-Lysergic acid		100,000
Lysergic acid diethylamide (LSD)	<u></u>	500,000
Maprotiline HCI	Ludiomil	500,000
Mebendazole	Mebendacin, Mebutar, Nemasole, Vermox	500,000
Medazepam	Nobrium	500,000
Mefenamic acid	Ponstel, Ponstan	500,000
Melphalan	Alkeran	500,000
Meperidine	Demerol	500,000
Mephentermine hemisulfate	Wyamine	500,000
Mephenytoin	Mesamtoin	500,000
	Carbocaine, Isocaine,	
Mepivacaine HCI	Polocaine	500,000
Mescaline	Peyote	500,000
Mesoridazine	Serentil	500,000
Metanephrine HCI		500,000
Metaproterenol hemisulfate salt	Alupent, Metaprel	500,000
Metaraminol bitartrate	Aramine	500,000
Methadone HCI	Dolophine	500,000
Methamphetamine	Desoxyn	500,000
d-Methamphetamine		100,000
I-Methamphetamine		100,000
Methaqualone HCI	Normi-Nox, Pallidan, Somnomed, Quaalude	100,000
Methenamine mandelate	Hiprex, Mandameth, Mandelamine, Urex	500,000
Methocarbamol	Robamol, Defaxin	500,000
Methotrimeprazine maleate	Levoprone	500,000
Methoxamine HCI	Vasoxyl	500,000
Methoxyphenamine HCI		500,000
a-Methyl-L-dopa	Aldomet	500,000
Methylphenidate	Ritalin	500,000
Methyprylon	Noludar	500,000
Metodopramide	Reglan, Octamide	500,000
Metoprolol tartrate	Lopressor	500,000
Metronidazole	Flagyl, Metizol, Protostat	500,000
Mianserin Mianserin	Bolvidon, Lumin, Tolvon	500,000
Miconazole NO ₄	Monistat	500,000
Midazolam Monoethylglyginexylidide	Versed	500,000
HCI (MEGX)	110.0	500,000
Morphine SO ₄	MS Contin, MSIR, Oramorph SR, Roxanol	100,000



Negative Compounds	Trade Name	Concentration (ng/mL)
Morphine-3-b D- Glucuronide		100,000
Nadolol	Corgard	500,000
Nafcillin Na+ salt	Unipen	500,000
Nalidixic acid Na+ salt	Neggram	500,000
Nalorphine HCI		100,000
Naloxone HCI	Narcan	500,000
Naltrexone HCI	Depade, ReVia	500,000
Naphazoline HCI	AK-Con, Albalon, Clear Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu-Zoline, Opcon, VasoClear	500,000
Naproxen Na*	Aleve, Anaprox, Naprosyn	500,000
Neomycin SO ₄	Mycifradin Sulfate, Neo- fradin, Neo-Tabs, Myciguent	500,000
Niacinamide (Nicotinamide)		500,000
Nialamide		500,000
Nicotine	Habitrol, Nicoderm, Nicorette, Nicotrol, ProStep	100,000
Nicotinic Acid (Niacin)		500,000
Nifedipine	Procardia	500,000
Nitrazeparn		100,000
Nitrofurantoin	Macrobid	500,000
Nitrophenol		500,000
rchlordiazepoxide Norcodeine HCl		500,000
Nordiazeparn (Desmethyldiazeparn)		100,000 500,000
Nordoxepin HCl		500,000
I-Norepinephrine HCI	Levophed	500,000
Norethindrone	Aygestom, Micronor, Norlutin	500,000
Norfloxacin	Noroxin	500,000
Norfluoxetine HCi		1,000,000
Norgestrel	Ovrette	500,000
Normorphine H ₂ O		500,000
Noroxymorphone		500,000
d-Norpropoxyphene		500,000
Nortriptyline HCI Noscapine HCI	Aventyl, Pamelor	500,000
Nylidrin HCI	Arlidin	500,000 500,000
Octopamine HCl	Alffalii	500,000
Offoxacin	Floxin	500,000
Omeprazole	Prilosec	1,000,000
Orotic acid		500,000
Orphenadrine HCI	Flexoject, Myophen, Norflex	500,000
Oxazepam	Serax	500,000
Oxycodone HCl	OxyContin	100,000
Oxymetazoline HCl	Dristan, Sinarest	500,000
Oxymorphone	Numorphan	500,000
Oxyphenbutazone H₂O		500,000
Pargyline	Eutron	500,000
Paroxetine	Paxil	100,000
Penicitlin G	Pfizerpen	500,000
Penicillin V potassium	Beepen-VK, Pen.Vee K, Veetids	500,000
entazocine HCI	Talwin	100,000
ntoxifylline		

Negative Compounds	Trade Name	Concentration (ng/mL)
Perphenazine	Trilafon	500,000
Phenacetin		500,000
Phencyclidine (PCP)		500,000
Phendimetrazine bitartrate	Bontril, Plegine	100,000
Phenelzine SO ₄	Nardil, Parnate, Marplan	500,000
Phenethylamine		500,000
-Phenethylamine HCI		500,000
Phenformin		500,000
Pheniramine	Trimeton	500,000
Phenothiazine		500,000
Phentermine	Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine	500,000
Phentolamine HCI	Regitine, Vasomax	500,000
Phenylbutazone	Azorld, Butazolidin	500,000
Phenylcyclohexylamine		500,000
m-Phenylenediamine	1.00	500,000
Phenylpropanolamine	Acutrim, Dexatrim, Dura- Vent	500,000
Phenyltoloxamine citrate salt	Poly-Histine-D	500,000
Phthalic acid		500,000
Picrotoxin		500,000
Pipemidic acid		500,000
Piroxicam	Feldene	500,000
Potassium chloride	Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Lor, Kaon-CL, Slow-K, K-Norm, Ten-K	500,000
Potassium iodide	Pima, SSKI	500,000
Prazepam	Centrax	100,000
Prazosin HCI	Minipress	100,000
Prednisolone	Hydeltrasol (Injection)	500,000
Prednisone	Deltasone, Meticorten, Orasone, Stempred	100,000
Prilocaine HCl	Citanest	500,000
Primidone	Mysoline	500,000
Probenecid	Benemid, Benuryl, Probalan	500,000
Procainamide HCl	Procan SR, Procamide SR, Promine, Pronestyl, Pronestyl-SR, Procanbid	500,000
Procaine HCI	Novocain	500,000
Procyclidine HCI	Kemadrin	500,000
Promazine	Primazine, Protine-50, Sparine	500,000
Promethazine HCI	Phenergan	500,000
Propiomazine	Largon	500,000
Propoxyphene	Darvon	500,000
d-Propoxyphene		100,000
Propranolol	Betachron, Inderal	500,000
Propylbenzene		500,000
Protriptyline HCI	Vivactil	500,000
		····
l-Pseudoephedrine HCl	Sudafed	500,000
Pyridinium chlorochromate		500,000
Pyridoxine (Vitamin B ₆₎	Nestrex	500,000
		-



CEDIA® Barbiturate 200 ng/mL Cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Quinacrine 2HCl	Atabrine	500,000
Quinidine	Cardioquin, Cin-Quin, Duraquin, Novoquinidin, Quinaglute Dura-Tabs, Quinalan, Quinatime, Quinidex Extentabs, Quinora, Quin-Release	500,000
Quinine HCI	Quinamm, Quindan, Quiphile, Q-Vel, Strema	500,000
Quinine sulfate	Formula Q	500,000
Ranitidine HCI	Zantac	500,000
Rescinnamine	Moderil	500,000
Reserpine	Novoresperine, Resertia, Serpalan, Serparil	500,000
Rifampicin	Rifadin	500,000
Risperidone	Risperdal	100,000
Ritodrine HCI	Yutopar	500,000
Salicylic acid	Disalcid, Mono-Gesic, Salflex, Salgesic, Salsitab	500,000
Salicyluric acid		500,000
Scopolamine HBr H₂O	Transderm-Scop	500,000
Spironolactone	Novospiroton, Aldactone	1,000,000
Strychnine		500,000
Sulfamethazine Na+		500,000
Sulfamethoxazole	Bactrim, Cotrim, Septra, Sulfamethoprim, Sulfatrim, Uroplus	500,000
Sulfathiazole Na+salt	Sulfa-Gyn, Sulnac, Sultrin, Trysul, V.V.S.	500,000
Sulfisoxazole	Gantrisin	500,000
Sulindac	Clinoril	500,000
Temazepam	Restoril, Razepam, Temaz	500,000
Terbutaline 1/2SO ₄	Brethaine, Brethine, Bricanyl	500,000
Terfenadine	Seldane	500,000
Tetracaine HCI	Ak-T-Caine, CepacolViractin, Pontocaine, Opticaine	500,000
Tetracycline	Achromycin V, Parimycin, Sumycin, Tettracyn, Robitet	500,000
Tetrahydrocortisone		500,000
Tetrahydrozoline HCI	Tyzine, Visine_	500,000
Theophylline	Aerolate, Asmalix, Elixophyllin, Quinbron, Respbid, Slo-Phyllin, Slo- bid, Theo-24, Theo-Dur, Theolair	500,000
Thiamine HCI	Betalins, Biamine	500,000
Thioridazine HCI	Mellaril	500,000
Thiothixene	Navane	500,000
		500,000
Thonzylamine		200 000
Thonzylamine Thyroxine		500,000
Thyroxine Timolol maleate	Betimol, Blocadren, Timoptic	500,000
Thyroxine	Timoptic Zanaflex	
Thyroxine Timolol maleate Tizanidine Tolbutamide	Timoptic Zanaflex Orinase	500,000 1,000,000 500,000
Thyroxine Timolol maleate Tizanidine Tolbutamide Tolmetin	Timoptic Zanaflex	500,000 1,000,000 500,000 500,000
Thyroxine Timolol maleate Tizanidine Tolbutamide Tolmetin p-Toluic acid	Timoptic Zanaflex Orinase Tolectin	500,000 1,000,000 500,000 500,000 500,000
Thyroxine Timolol maleate Tizanidine Tolbutamide Tolmetin	Timoptic Zanaflex Orinase	500,000 1,000,000 500,000 500,000

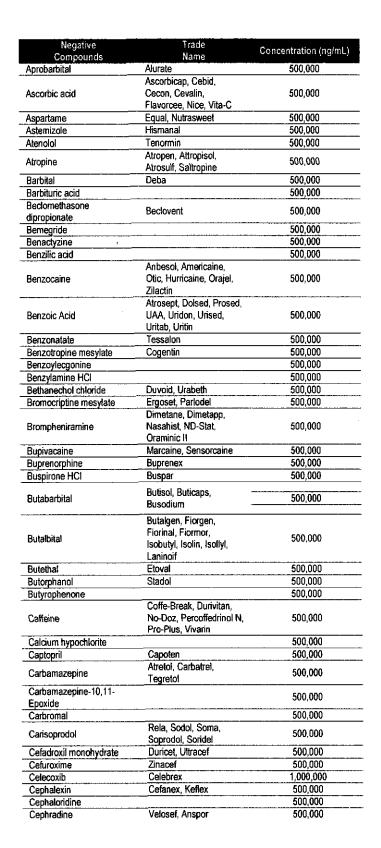
Trade Name Aristocort, Aristospan, Azmacort, Kenalog, Nasacort	Concentration (ng/mL) 500,000
Aristocort, Aristospan, Azmacort, Kenalog, Nasacort	
Azmacort, Kenatog, Nasacort	500.000
Nasacort	500.000
	- 30,000
Dyrenium	100,000
Halcion	100,000
	500,000
Stelazine, Suprazine	500,000
Vesprin	500,000
Artane	500,000
Алтestin, T-Gen, Tebamide,	500,000
Tigan, Trimazide	300,000
	500,000
Surmontil	500,000
PBZ, PBZ-SR	500,000
Actagen, Allerfrin, Aprodine	500,000
	500,000
I-Tropine, Ocu-Tropine	500,000
	500,000
	500,000
	500,000
	500,000
Aquacare, Carmel,	500,000
Orodon's Orea, Oreapini	500,000
Effexor	1,000,000
	500,000
	500,000
	500,000
rantilen	500,000
Imovane	500,000
	Halcion Stelazine, Suprazine Vesprin Artane Arrestin, T-Gen, Tebarnide, Tigan, Trimazide Proloprim, Trimpex Surmontil PBZ, PBZ-SR Actagen, Allerfrin, Aprodine I-Tropine, Ocu-Tropine



Compounds	Trade Name	Concentration (ng/mL)
7-NH2-Flunitrazepam		3100
a-OH-Alprazolam		160
a-OH-Midazolam		200
And Emphasecani		2000
S-Off-Pallex exception		
a-OH-Triazolam		160
Alprazolam	Tafil, Valeans, Xanax, Xandor	150
Benzophenone		500,000
Bromazepam	Lectopam	280
Chlordiazepoxide	Libritaibs, Librium, Sereen	2.300
Clobazam		480
Clonazepam	Klonopin	220
Clorazepate	Gen-XENE, Tranxene	360
Delorazepam		170
Demoxepam		2.200
Desalkylflurazepam		150
Desmethyldiazepam	Nordaz, Calmday	60
Diazepam	Valium, Valrelease, Vazepam	130
Estazolam	ProSom	140
Flunitrazepam	Rohypnol	230
Flurazepam	Dalmane, Durapam	160
Halazepam	Paxipam	210
Lorazepam	Ativan	250
Lormetazepam		190
Medazepam	Nobrium	230
azolam	Versed	625
DesmethylFlunitazepam	1	3,100
Nimetazepam		37.5
Nitrazepam		300
Nordiazepam		150
Oxazepam	Serax	280
Phenazepam		175
Prazepam	Centrax	170
Temazepam	Restoril, Razepam,Temaz	210
Triazolam	Halcion	160

Negative	Trade	Concentration (ng/mL)
Compounds	Name	
1,3-Dimethyl-barbituric acid		500,000
1-Phenylcyclohexylamine		500,000 500,000
2-Bromo-Ergocryptine 4-OH-PCP HCI		500,000
5,5-Diphenylhydantoin		
(Phenytoin)	Dilantin	500,000
5-Hydroxyindole-2- Carboxylic acid		500,000
5-Hydroxyindole-3-Acetic acid		500,000
5-Hydroxytryptamine (Serotonin)		500,000
6-Monoacetyl morphine		100,000
7-Aminoclonazepam		400
8,11-di-OH-D ³ THC		100,000
10,11-Dihydro- carbamazepine		500,000
3, 4 Methylene- dioxypyrovalerone (MDPV)	Bath Salt	500,000
11-nor-D9-THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetanilide	тапра, гунака	500,000
Acetazolamide	Diamox, Acetazolam	500,000
Acetophenetidine	Didition, 7 Notabolatii	500,000
Acetylcysteine	Mucomyst, Mucosil, Parvolex	500,000
N-Acetylprocainamide	1 4110101	500.000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	500,000
Albuterol	Proventil, Ventolin, Salbutamol	500,000
Allobarbital	Asmac, Cibalgine, Diadol, Dially Barbituric Acid, Dial, Malilum,	100,000
	, ,	
Allopurinol	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol	500,000
	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol	500,000
Allopurinol Alphaprodine HCl Alphenal	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol,	100,000 100,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal	100,000 100,000 500,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl,	100,000 100,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl p-Aminobenzoic acid (PABA)	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal Symadine, Symmentrel	100,000 100,000 500,000 500,000 500,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl p-Aminobenzoic acid (PABA) Aminoglutethimide	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal	100,000 100,000 500,000 500,000 500,000 500,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl p-Aminobenzoic acid (PABA)	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal Symadine, Symmentrel Cytadren, Orimenten	100,000 100,000 500,000 500,000 500,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl p-Aminobenzoic acid (PABA) Aminoglutethimide Aminopyrine Amitriptyline HCl	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal Symadine, Symmentrel	100,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl p-Aminobenzoic acid (PABA) Aminoglutethimide Aminopyrine Amitriptyline HCl Ammonium chloride	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal Symadine, Symmentrel Cytadren, Orimenten Elavil, Endep, Enovil, Emitrip	100,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl p-Aminobenzoic acid (PABA) Aminoglutethimide Amiropyrine Amitriptyline HCl Armonium chloride Amobarbital	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal Symadine, Symmentrel Cytadren, Orimenten Elavil, Endep, Enovil, Emitrip Amytal	100,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl p-Aminobenzoic acid (PABA) Aminoglutethimide Aminopyrine Amitriptyline HCl Ammonium chloride	Somnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal Symadine, Symmentrel Cytadren, Orimenten Elavil, Endep, Enovil, Emitrip Amytal Asendin	100,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl p-Aminobenzoic acid (PABA) Aminoglutethimide Aminopyrine Amitriptyline HCl Armonium chloride Amoarbital Amoxapine Amoxicillin	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal Symadine, Symmentrel Cytadren, Orimenten Elavil, Endep, Enovil, Emitrip Amytal	100,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 100,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl p-Aminobenzoic acid (PABA) Aminoglutethimide Aminopyrine Amitriptyline HCl Ammonium chloride Amobarbital Amoxapine Amoxicillin Amphetamine	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal Symadine, Symmentrel Cytadren, Orimenten Elavil, Endep, Enovil, Emitrip Amytal Asendin Amoxil, Polymor, Trimox, Wymox	100,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 100,000 500,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl p-Aminobenzoic acid (PABA) Aminoglutethimide Aminopyrine Amitriptyline HCl Armonium chloride Amoxapine Amoxicillin	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal Symadine, Symmentrel Cytadren, Orimenten Elavil, Endep, Enovil, Emitrip Amytal Asendin Amoxil, Polymor, Trimox, Wymox Dexedrine	100,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 100,000
Allopurinol Alphaprodine HCl Alphenal Alprenolol HCl Amantadine HCl p-Aminobenzoic acid (PABA) Aminoglutethimide Aminopyrine Amitriptyline HCl Ammonium chloride Amobarbital Amoxapine Amoxicillin Amphetamine	Sornnocodal Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal Symadine, Symmentrel Cytadren, Orimenten Elavil, Endep, Enovil, Emitrip Amytal Asendin Amoxil, Polymor, Trimox, Wymox	100,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 100,000 500,000





Negative Compounds	Trade Name	Concentration (ng/mL)
Chloramphenicol	Chloroptic, Chloromycetin, Ocu-Chlor	500,000
Chloroquine	Aralen	500,000
Chlorothiazide	Diuril	500,000
Chlorotrianisene	Tace	100,000
	Aller-Chlor, Chlor-	
Chlorpheniramine	Trimeton, Edifac 24,	500,000
	Chlorphenamine	
Chlorpromazine HCI	Thorazine	500,000
Chlorpropamide	Diabinese, Glucamide	500,000
Chlorprothixene	Taractan	500,000
Chlorzoxazone	Paraflex, Parafon Forte DSC	500,000
Cholesterol		500,000
Cimetidine	Tagamet	500,000
Cinoxacin	Cinobac	500,000
Ciprofloxacin HCl	Cipnol	500,000
Citalopram	Celexa	1,000,000
Clemastine fumarate	Antihist-1, Tavist	500,000
		500,000
Clindamycin	Cleocin	
Clomipramine HCI	Anafranil	500,000
Clonidine HCI	Catapres	500,000
Clotrimazole Cloxacillin	Mycelex Cloxapen, Dynapen,	500,000
O) :	Pathocil, Tegopen	
Clozapine		1,000,000
Cocaine		500,000
Codeine		500,000
Colchicine		500,000
Cortisol	A-HydroCort, Hydrocortone Acetate, Solu-Cortef, Hydrocortisone	500,000
Cortisone	Cortone	500,000
	Colone	
Cortolone		500,000
Cotinine		500,000
Creatine hemisulphate		500,000
Creatine phosphate		500,000
Cyclazocine		500,000
Cyclizine	Happytrip, Marezine	500,000
Cyclobenzaprine	Cycloflex, Flexeril	500,000
Cyclohexylamine		500,000
Cyclopentobarbital		500,000
Cyclophosphamide	Cytoxan, Neosar	500,000
Cyproheptadine	Periactin	500,000
Deoxycorticosterone		500,000
Deoxyepinephrine HCl		500,000
Desipramine HCI	Norpramin, Petrofrane	500,000
o-desmethylvenlafaxine		1,000,000
Dextromethorphan HBr	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	500,000
Dibucaine HCI	Nipercainal	500,000
Dictofenac	Cataflam, Pennsaid, Voltaren	500,000
Dicylomine HCI	Antipas, Bentyl Hydrochloride, Dibent,	500,000
Diacetyl morphine	Dilomine Heroin	500,000



Negative Compounds	Trade Name	Concentration (ng/mL)
Diethylsuccinate	· · · · · · · · · · · · · · · · · · ·	500,000
Diflunisal	Dolobid	500,000
Digoxin	Lanoxin	100,000
Dihydrocodeine	DHC Plus, Synalgos-DC	100,000
Diltiazem HCI	Cardizem, Dilacor, Dilitazem, Tiazac	500,000
Dimethyl barbituric acid		500,000
Diphenhydramine HCI	Banophen, Benadryl, Diphedryl, Simply Sleep	500,000
Diphenoxylate HCl	Lomotil	500,000
Dipyridamole	Persantine, Permole	500,000
Disulfiram	Antabuse	500,000
-Dopa	Dopar, Larodopa	500,000
Popamine HCI	Dopastat, Intropin	
		500,000
Doxepin HCI	Adapin, Sinequan	500,000
Doxylamine	Decapryn, Nighttime	100,000
	Sleep Aid, Unisom	
Oronabinol (D9-THC)	Marinol	500,000
Ecgonine		500,000
Ecgonine methyl ester		500,000
EDDP (Primary Methadone Metabolite)		500,000
EMDP (Secondary Methadone Metabolite)		100,000
Enalapril maleate	Vasotec	500,000
Ephedrine	Kondon's Nasal, Pretz-D	500,000
inephrine	Adrenalin, Asthma-Haler, Bronitin, Epifrin, Primatene, Vaponefrin	500,000
Erythromycin	AK-Mycin, E-Mycin, Eryc, Ery-Tabs, flosone, Wyamycin	500,000
b-Estradiol (E-2) Estriol (E-3)	Alora, Climara, Delestrogen, DepGynogen, Depo- Estradiol, Depogen, E- Cypionae, Esclim, Estinyl, Estrace, Estraderm, Estragyn LA 5, Estring, EstroCyp, Estro-L.A., FemPatch, Gynodiol, Gynodiol, Gynogen L.A., Innofem, Menaval, Noven, Vagifem, Valergen, Vivelle, Vievelle-Dot	500,000
-30101 (L-3)	Estragyn, Estratab.	100,000
Estrone-3-Sulfate, Na+ (E-1)	Kestrone, Menest, Ogen, Ortho-Est	500,000
Ethambutol 2HCl	Myambutol Myambutol	500,000
Ethamiyan	1417 CHINOUS CO	500,000
Ethinamate		
	Ections	500,000
Ethinyl Estradiol	Estinyt	100,000
Famotidine	Pepcid, Pepcid AC	500,000
Fenfluramine	Pondimin	500,000
Fenoprofen	Nalfon	500,000
Fentanyl citrate	Duragesic, Actiq, Sublimaze	500,000
Flufenamic acid		500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Fluphenazine HCI	Prolixin	500,000
Flurbiprofen	Ansaid	500,000
Furosemide	Lasix	500,000
Gabapentin	Neurontin	1,000,000
Gentamicin	Garamycin	500,000
Gentisic acid		500,000
Glutethimide		500,000
Glyburide	Diabeta, Glybericlamide, Micronase	500,000
Glycobenclamide		500,000
Glycopyrrolate	Robinul	500,000
Griseofulvin	Fulvicin, Grifulvin, Grisactin, Gris-PEG	500,000
Guaiacol glyceryl ether (Guaifenesin)	Actifed, Drixoral, Robitussin, Hytuss	500,000
Guanethidine	Ismelin	500,000
Haloperidol	Haldol, Peridol	500,000
Heroin HCI		500,000
Hexamethylenetetramine	Hiprex, Mandelamine, Urex	500,000
Hexobarbital		500,000
Hippuric acid		500,000
Hydralazine	Apresoline	500,000
Hydrochlorothiazide	Esidrix, Hydro-DIURIL, Hydro-D, Oretic	500,000
Hydrocodone bitartrate	Lortab, Vicodin	100,000
Hydromorphone HCI	Dilaudid	100,000
Hydroxycoumarin		500,000
Hydroxyephedrine		500,000
Hydroxyphenobarbital		500,000
Hydroxyprogesterone	Hylutin, Hyprogest 250	500,000
Hydroxyzine 2HCf	Anxanil, Apo- Hydroxyzine, Atarax, Hyzine-50	500,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	500,000
Idapamine		500,000
Iminostilbene		500,000
Imipramine	Tofranil	500,000
Indapamide	Lozol	500,000
Indole-2-carboxylic acid		500,000
Indole-3-acetic acid	Heteroauxin, Rhizopin	500,000
Indole-3-butyric acid	Hormodin, Seradix	500,000
Indomethacine	Novomethacin, Indocin	500,000
Insulin chain b, oxidized	Humalog, Humuline, lletin, Lantus, Novolin, NovoRapid, NovoLog,	500,000
	Oralin, Velosulin	500.000
Ipratropium Br	Attrovent	500,000
Iproniazid PO₄ salt	Desilvander Desilvant	500,000
Isoetharine	Bronkomrter, Bronkosol, Dey-Dose, Dey-Lute,	500.000
	Isoetharine	500,000
Isoniazid		500,000
Isoniazid Isonicotinic acid hydrazide	Isoetharine	
	Isoetharine	500,000
Isonicotinic acid hydrazide	Isoetharine Laniazid, Tubizid, INH	500,000 500,000 500,000
Isonicotinic acid hydrazide Isoproterenol HCI	Isoetharine Laniazid, Tubizid, INH Isuprel	500,000 500,000
Isonicotinic acid hydrazide Isoproterenol HCI Isoxsuprine HCI	Isoetharine Laniazid, Tubizid, INH Isuprel Vasodilan, Voxsuprine	500,000 500,000 500,000 500,000
Isonicotinic acid hydrazide Isoproterenol HCI Isoxsuprine HCI Kanamycin	Isoetharine Laniazid, Tubizid, INH Isuprel Vasodilan, Voxsuprine Kantrex	500,000 500,000 500,000 500,000 500,000



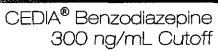
CEDIA® Benzodiazepine 300 ng/mL Cutoff



Name	Concentration (ng/mL)
	500,000
Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's Opcon, Nafazair,	500,000
Napholine, Ocu-Zoline, Opcon, VasoClear	
Naprosyn	500,000
	500,000
	500,000
11 12 1 16 1	500,000
Habitrol, Nicoderm, Nicorette, Nicotrot, ProStep	500,000
	500,000
~	500,000
Macrobid	500,000
	500,000
	100,000
	100,000
	500,000
	500,000
	500,000
Norfutin	500,000
Noroxin	500,000
	1,000,000
Ovrette	500,000
	500,000
	500,000
	500,000
	50,000
Aventyl, Pamelor	500,000
·	500,000
· · · · · · · · · · · · · · · · · · ·	500,000
	500,000
	500,000
Prilosec	1,000,000
	500,000
Norflex	500,000
Daypro	10,000
A SECTION OF SECTION O	10,000
a principal to the managing and	
	100,000
	500,000
Numorphan	500,000
·····	500,000
	500,000
raxii	1,000,000
DE	500,000
	500,000
Veetids	500,000
	100,000
Nambutat	500,000

Trental Trilafon	500,000 500,000
	Depade, ReVia AK-Con, Albalon, Clear Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu-Zoline, Opcon, VasoClear Aleve, Anaprox, Naprosyn Habiltrol, Nicoderm, Nicorette, Nicotrol, ProStep Procardia Macrobid Levophed Aygestom, Micronor, Norflutin Noroxin Ovrette Aventyl, Pamelor Floxin Prilosec Flexoject, Myophen, Norflex Daypro OxyContin Dristan, Sinarest Numorphan Eutron Paxil Pfizerpen Beepen-VK, Pen.Vee K,





Negative Compounds	Trade Name	Concentration (ng/mL)
Phenazopyridine HCI	Azo-Standard, Pyridium, Urodine	500,000
Phencyclidine (PCP)	O O O O O O O O O O O O O O O O O O O	250,000
Phendimetrazine	Bontril, Plegine	500,000
Phenelzine	Nardil, Parnate, Marplan	500,000
b-Phenethylamine HCI		500,000
Phenformin		500,000
Pheniramine	Trimeton	500,000
Phenobarbital	Luminal	500,000
Phenothiazine		500,000
Phenoxazine		500,000
Phensuximide	Milontin	500,000
Phentermine	Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine	500,000
Phentolamine HCI	Regitine, Vasomax	500,000
Phenylalanine		500,000
Phenylbutazone	Azorld, Butazolidin	500,000
Phenylcyclohexylamine		500,000
Phenylcyclopropylamine HCI		500,000
Phenylenediamine		500,000
Phenylpropanolamine	Acutrim, Dexatrim, Dura- Vent	500,000
Phenyltoloxamine citrate	Poly-Histine-D	500,000
thalic acid		500,000
Picrotoxin	-	500,000
Pipemidic acid	 -	500,000
Piroxicam	Feldend	500,000
Potassium chloride	Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Lor, Kaon-CL, Slow-K, K- Norm, Ten-K	500, 00 0
Potassium iodide	Pima, SSKI	500,000
Prazosin HCI	Minipress	100,000
Prednisolone	Hydeltrasol (Injection)	500,000
Prednisone	Deltasone, Meticorten, Orasone, Stempred	500,000
0	Orasone, Stempred	****
Pregnenolone		500,000
Prilocaine HCI	Citanest	500,000
Primidone	Mysoline	500,000
Probenecid	Benemid, Benuryl,	500,000
	Probalan	
Proceine HCI	Novocain	500,000
Procyclidine HCI	Kemadrin	500,000
Progesterone	Crinone, Ovrette, Micronor, Nor-QD	500,000
Promazine	Primazine, Protine-50, Sparine	500,000
Promethazine HCI	Phenergan	500,000
Propiomazine	Largon	500,000
Propoxyphene	Darvoл	500,000
Pyrilamine maleate salt		500,000
Quetiapine fumarate	Seroquel	1,000,000
	Atabrine	

N	Tele	
Negative Compounds	Trade Name	Concentration (ng/mL)
	Cardioquin, Cin-Quin,	
	Duraquin, Novoquinidin,	
Ouinidine	Quinaglute Dura-Tabs,	E00.000
Quinidine	Quinalan, Quinatime,	500,000
	Quinidex Extentabs,	
	Quinora, Quin-Release	
0.000	Quinamm, Quindan,	600,000
Quinine HCI	Quiphile, Q-Vel, Strema	500,000
Quinine sulfate	Formula Q	500,000
Ranitidine	Zantac	500,000
Rescinnamine	Moderil	500,000
	Novoresperine, Resertia,	
Reserpine	Serpalan, Serparil	500,000
Retinoic acid	Trentinoin	500,000
Rifampicin	Rifadin	500,000
Ritodrine HCl	Yutopar	500,000
Nitodille i tol	Disalcid, Mono-Gesic,	300,000
Salicylic acid		500,000
	Salflex, Salgesic, Salsitab	500,000
Salicyluric acid	Transdam C	500,000
Scopolamine	Transderm-Scop	500,000
Secobarbital	Seconal	500,000
Sertraline	Zoloft	500,000
Spironolactone	Novospiroton, Aldactone	1,000,000
Strychnine		500,000
Sulfamethazine		500,000
	Bactrim, Cotrim, Septra,	
Sulfamethoxyzole	Sulfamethoprim,	500,000
•	Sulfatrim, Uroplus	
Cultural and a Navarda	Sulfa-Gyn, Sulnac,	500,000
Sulfathiazole Na+salt	Sultrin, Trysul, V.V.S.	500,000
Sulfisoxazole	Gantrisin	500,000
Sulindac	Clinoril	500,000
Talbutal		500,000
	Restoril, Razepam,	
Temazepam glucuronide	Temaz	10,000
	Brethaine, Brethine,	
Terbutaline 1/2 SO4	Bricanyl	500,000
Terfenadine	Seldane	500,000
rendusio	Ak-T-Caine,	300,000
Tetracaine HCI	CepacolViractin,	500,000
reascame rici	Pontocaine, Opticaine	300,000
	Achromycin V, Parimycin,	
Totracyclina		E00 000
Tetracycline	Sumycin, Tettracyn, Robitet	500,000
Totrobydrocortions	LODIGE	E00 000
Tetrahydrocortisone Tetrahydrozolina HCI	Traino Vinico	500,000
Tetrahydrozoline HCl	Tyzine, Visine	500,000
Thanzylamine	E): ((6' 5 ::	500,000
	Elixophyllin, Quibron,	
77)) [["	Respoid, Somophyllin,	500 500
Theophylline	Slo-Phylin, Theo-Dur,	500,000
	Slo-Bid, Theo-24,	
	Theolair	
Thiamine HCI	Betalins, Biamine	500,000
Thioridazine HCI	Mellaril	500,000
Thiothixene	Navane	500,000
Thonzylamine		500,000
Thyroxine		500,000
	Betimol, Blocadren,	
Timolol maleate	Timoptic	500,000
Tocopherol phosphate		500,000
Tolbutamide	Orinase	500,000
Tolmetin	Tolectin	500,000
i viinvuii	, Globali	000,000



Negative Compounds	Trade Name	Concentration (ng/mL)
p-Toluic acid	Traine	500,000
Tramadol	Ultram	500,000
Tranylcypromine HCI	Parnate	500,000
Trazodone HCI	Desyrel	1,000,000
Triamcinolone	Aristocort, Aristospan, Azmacort, Kenalog, Nasacort	500,000
Triamterene	Dyrenium	500,000
Tribenzylamine		500,000
Triflupromazine HCI	Vesprin	500,000
Trihexyphenidyl HCI	Artane	500,000
Trimethobenzamide HCI	Arrestin, T-Gen, Tebamide, Tigan, Trimazide	62,500
Trimethoprim	Proloptim, Trimpex	500,000
Trimipramine maleate	Surmontil	500,000
Tripelennamine HCI	PBZ, PBZ-SR	500,000
Tropic Acid		500,000
Tropine	I-Tropine, Ocu-Tropine	500,000
Tryptamine HCI		500,000
Tryptophan		500,000
Tyramine		500,000
Tyrosine		500,000
Urea	Aquacare, Carmel, Grodon's Urea, Ureaphil	500,000
Uric acid		500,000
Venlafaxine	Effexor	1,000,000
Verapamil	Isoptin, Verelan	500,000
Warfarin	Coumadin	500,000
Zolpidem hemitartrate	Ambien	500,000
Zomepirac		500,000
Zoplicone	Imovane	500,000



CEDIA® Benzodiazepine HS 200 ng/mL cutoff

Negative	Trade	Concentration
Compounds	Name Name	(ng/mL)
Chlomentazon	Manager of the contract of the	Programme in the first that
P的行之公司等 100年	Service of the service of the service	(American)
Nalexore		Proposition Co. The Co.
Oxcarbazeeine		AND AND AND
Oxaprozin	Daypro	10,000

Positive Compounds	Trade Name	Concentration (ng/mL)
7-April neokonazepam		400
7-NH2-Flunitrazepam		210
7-NH2-Nitrazepam		250
a-OH-Alprazolam		120
3-CH-Brownersouro	TELEVISION CONTRACTOR	990
S-37-Pringinzapan	Account the factor of the second	330
a-OH-Triazolam		130
Alprazolam	Tafil, Valeans, Xanax,	100
Alpiazolalii	Xandor	100
Alprazolam Glucuronide		200
Bromazepam	Lectopam	200
Chlordiazepoxide	Libritabs, Librium, Sereen	1,300
Clobazam	<u></u>	340
Clonazepam	Klonopin	290
Clorazepate	Gen-XENE, Tranxene	270
Delorazepam		110
Demoxepam		1,100
Desalkylflurazepam		120
	Valium, Valrelease,	
Diazepam	Vazepam	130
Estazolam	ProSom	90
Flunitrazepam	Rohypnol	190
Flurazepam	Dalmane, Durapam	110
Halazepam	Paxipam	200
Lorazepam	Ativan	180
Lorazepam Glucuronide		450
Lormetazepam		150
edazepam	Nobrium	170
A2-Clonazepam	Nobilati	210
Nimetazepam		37.5
Nitrazepam		200
Nordiazepam		120
Oxazepam	Serax	160
Oxazepam Glucuronide	Seiax	800
Phonazepam Oldculollide	 	350
Prazepam	Centrax	180
Temazepam	Restoril, Razepam, Temaz	220
Temazepam Glucuronide	resioni, razepani, remaz	
Triazolam	Halcion	800
mazoiam	riaicion	100

Page 1 of 1



(ng/mL)

CEDIA® Buprenorphine 5 ng/mL cutoff

Trade

Name

Compounds

Positive	Trade	Concentration
Compounds	Name	(ng/mL)
Amilsulpride		31,125
Buprenorphine	Buprenex, Subutex	5
Buprenorphine-3-b-d-		5
glucuronide		
Codeine		34,000
Dihydrocodeine	DHC Plus, Synalgos-DC	44,000
Hydrocodone	Lortab, Vicodin	56,000
Nalbuphine	Nubian	250,000
Nalorphine		5,800
Naltrexone	Depade, ReVia	75,000
Norpropoxyphene		91,000
Quetiapine	Seroquel	250,000
Quinine		31,250
Sulfamethoxazole	Component of Bactrim	250,000
Tramadol	Uitram	150,000
Timethoprim	Component of Bactrim	125,000

Compounds	Name	(ng/mL)
Diazepam	Valium, Valrelease,	500,000
Digoxin	Vazepam	
Diguxin	Lanoxin Banophen, Benadryl,	500,000
Diphenhydramine	Diphedryl, Simply Sleep	500,000
Disopyramide		500,000
Doxepine	Adapin, Sinequan	500,000
Doxylamine	Decapryn, Nighttime Sleep Aid, Unisom	500,000
EDDP (Primary Methadone Metabolite)		100,000
EMDP (Secondary Methadone Metabolite)		100,000
Enalapril	Vasotec	500,000
Fluoxetine	Prozac, Sarafem	500,000
Haloperidol	Haldol, Peridol	500,000
Heroin		100,000
Hydromorphone	Dilaudid	100,000
	Advil, Haltran, Mediprene,	
Ibuprofen	Motrin, Nuprin, Proen, Rufen	500,000
Imipramine	Tofranil	100,000
LAAM		100,000
a-Levoacetylmethadol		100,000
a-Levodinoracetylmethadol		100,000
a-Levonoracetylmethadol		100,000
Levorphanol		100,000
Levothyroxine (T4)	Synthroid	500,000
Meperidine	Demerol	100,000
a-Methadol		100,000
Methadol		100,000
Methadone	Dolophine	100,000
Methamphetamine	Desoxyn	500,000
Morphine		100,000
Morphine-3-glucuronide		100,000
Morphine-6-glucuronide		100,000
Naloxone	Narcan	100,000
Nifedipine	Procardia	500,000
Norbuprenorphine		1,000
Norbuprenorphine-3-b-d- glucuronide		1,000
Nordiazepam (Desmethyldiazepam)		500,000
Noroxycodeine		100,000
Noroxymorphine		100,000
Oxazepam	Serax	500,000
Oxycodone	OxyContin	100,000
Oxymorphone	Numorphan	100,000
Pentazocine	Talwin	500,000
Perphenazine	Trilaton	500,000
Phencyclidine (PCP)	Luminal	500,000
Phenobarbital Propositions	Luminal	500,000
Procyclidine	Kemadrin	500,000
Propoxyphene Destription) Francis	500,000
Protriptyline	Vivactii	500,000
Ranitidine	Zantac	500,000
Salicyluric acid Secobarbital	Connect	500,000
Seconamiai	Seconal	500,000
	T.1 C-	
Tolmetin Triprolidine	Tolectin Actagen, Allerfrin, Aprodine	500,000 500,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
6-Monoacetylmorphine		100,000
10,11- Dihydrocarbamazepine		500,000
11-nor-THC-COOH		500,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Amitriptyline	Elavil, Endep, Enovil, Emitrip	500,000
Amoxicitlin	Amoxil, Polymor, Trimox, Wymox	500,000
Amphetamine		500,000
Benztropine mesylate	Cogentin	500,000
Benzoylecgonine		500,000
Brompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	500,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	500,000
Captopril	Capoten	500,000
Chlordiazepoxide	Libritabs, Librium, Sereen	500,000
Chlorpromazine	Thorazine	500,000
Cimetidine	Tagamet	500,000
Codeine-6-glucuronide		100,000
Desipramine	Norpramin, Petrofrane	500,000
Dextromethorphan HBr	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	100,000
Diacetylmorphine	Heroin	100,000



Positive Trade Concentration Compounds Name (ng/mL) Buprenorphine Buprenex, Subutex 20 Buprenorphine-3-b-dglucuronide 20

Negative Compounds	Trade Name	Concentration (ng/mL)
6-Monoacetylmorphine		100,000
10,11-Dihydro- carbamazepine		500,000
11-nor-THC-COOH		500,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tytenol	500,000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Amitriptyline	Elavil, Endep, Enovil, Emitrip	500,000
- moxicitlin	Amoxil, Polymor, Trimox, Wymox	500,000
hphetamine		500,000
Benztropine mesylate	Cogentin	500,000
Benzoylecgonine		500,000
Brompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	500,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	500,000
Captopril	Capoten	500,000
Chlordiazepoxide	Libritabs, Librium, Sereen	500,000
Chlorpromazine	Thorazine	500,000
Cimetidine	Tagamet	500,000
Codeine-6-glucuronide		100,000
Desipramine	Norpramin, Petrofrane	500,000
Dextromethorphan HBr	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	100,000
Diacetylmorphine	Heroin	100,000
Diazepam	Valium, Valrelease, Vazepam	500,000
Digoxin	Lanoxin	500,000
Diphenhydramine	Banophen, Benadryl, Diphedryl, Simply Sleep	500,000
Disopyramide	7.7	500,000
Doxepine	Adapin, Sinequan	500,000
Doxylamine	Decapryn, Nighttime Sleep Aid, Unisom	500,000
EDDP (Primary Methadone Metabolite)		100,000
EMDP (Secondary Methadone Metabolite)		100,000
nalapril	Vasotec	500,000
	Prozac, Sarafem	500,000

CEDIA® Buprenorphine 20 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Haloperidol	Haldol, Peridol	500,000
Heroin		100,000
Hydromorphone	Dilaudid	100,000
Ibuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	500,000
Imipramine	Tofranil	100,000
LAAM		100,000
a-Levoacetylmethadol		100,000
a-Levodinoracetylmethadol		100,000
a-Levonoracetylmethadol		100,000
Levorphanol		100,000
Levothyroxine (T4)	Synthroid	500,000
Meperidine	Demerol	100,000
a-Methadol		100,000
Methadol		100,000
Methadone	Dolophine	100,000
Methamphetamine	Desoxyn	500,000
Morphine		100,000
Morphine-3-glucuronide		100,000
Morphine-6-glucuronide		100,000
Naloxone	Narcan	100,000
Nifedipine	Procardia	500,000
Norbuprenorphine	Tiodian	1.000
Norbuprenorphine-3-b-d-		
glucuronide		1,000
Nordiazepam (Desmethyldiazepam)		500,000
Noroxycodeine		100,000
Noroxymorphine		100.000
Oxazepam	Serax	500,000
Oxycodone	OxyContin	100,000
Oxymorphone	Numorphan	100,000
Pentazocine	Talwin	500,000
Perphenazine	Trilafon	500,000
Phencyclidine (PCP)	FinalGil	500,000
Phenobarbital	Luminal	500,000
Procydidine	Kemadrin	500,000
Propoxyphene	romann.	500,000
Protriptyline	Vivactil	500,000
Ranitidine	Zantac	500,000
Salicyluric acid	Lando	500,000
Secobarbital	Seconal	500,000
Tolmetin	Tolectin	500,000
Triprolidine	Actagen, Allerfrin, Aprodine	500,000
Verapamil	Isoptin, Verelan	500,000
: Grapaniii	isopuii, raicidii	999, 9 96



CEDIA® Cocaine 150 ng/mL cutoff

Positive Compounds	Trade Name	Concentration (ng/mL)
Benzoyleogonine		150
Cocaethylene		260
Cocaine		280
3,4 Methylenedioxypyrovalerone (MDPV)	Bath Salt	250,000
Quinine HCI	Quinamm, Quindan, Quiphile, Q-Vel, Strema	100,000
Quinine Sulfate	Formula Q	150,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
1,3-Dimethylbarbituric acid		500,000
1-Phenylcydohexylamine		500,000
4-OH-PCP HCI		500,000
5,5-Diphenylhydantoin (Phenytoin)	Dilantin	500,000
5-Hydroxyindole-2- carboxylic acid		500,000
5-Hydroxyindole-3-acetic acid		500,000
5-Hydroxytryptamine (Serotonin)		500,000
6-Monoacetyl morphine		100,000
10,11- Dihydrocarbamazepine		500,000
11-nor-D9-THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetanilide		500,000
Acetazolamide	Diamox, Acetazolam	500,000
Acetophenetidine		500,000
N-Acetyl-i-cysteine	Mucomyst, Mucosil, Parvolex	500,000
N-Acetylprocainamide		500,000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	500,000
Albuterol	Proventil, Ventolin	500,000
Allobarbital	Asmac, Cibalgine, Diadol, Dially Barbituric Acid, Dial, Malilum, Sornnocodal	100,000
Allopurinol	Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol	500,000
Alphaprodine HCl		100,000
Alphenal	Alphenate, Allofenyl, Efrodal, Fenallymal	100,000
Alprazolam	Tafil, Valeans, Xanax, Xandor	100,000
a-OH-Alprazolam		10,000
Alprenolol HCl		500,000
Amantadine HCI	Symadine, Symmentrel	500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
p-Aminobenzoic acid (PABA)	. "	500,000
Aminoglutethimide	Cytadren, Orimeten	500,000
-Атіпоругіле		500,000
Amitriptyline HCl	Elavil, Endep, Enovil, Emitrip	500,000
Ammonium chloride		500,000
Amobarbital	Amytal	100,000
Amoxapine	Asendin	500,000
Amoxicillin	Amaxil, Polymor, Trimox, Wymox	100,000
Amphetamine	,	500,000
d-Amphetamine		100,000
Ampicillin, Na salt	Omnipen, Principen, Marcillin, Totacillin	500,000
Ampicillin, anhydrous		500,000
Aniline HCl		500,000
Aprobarbital	Alurate	100,000
	Ascorbicap, Cebid, Cecon,	
l-Ascorbic acid	Cevalin, Flavorcee, Nice, Vita-C	500,000
Aspartame	Equal, Nutrasweet	500,000
Astemizole	Hismanal	500,000
Atendol	Tenomin	500,000
Atropine SO ₄ monohydrate	Atropen, Attropisol, Atrosulf, Saltropine	500,000
Barbital	Deba	100,000
Barbituric acid		500,000
Beclomethasone dipropionate	Beclovent	100,000
Bemegride		500,000
Benactyzine		500,000
Benzocaine	Anbesol, Americaine, Otic, Hurricaine, Orajel, Zilactin	500,000
Benzoic acid	Atrosept, Dolsed, Prosed, UAA, Uridon, Urised, Uritab, Uritin	500,000
Benzonatate	Tessalon	500,000
Benzophenone		500,000
Benzotropine mesylate	Cogentin	500,000
Benzylamine HCl		500,000
Bethanechol chloride	Duvoid, Urabeth	500,000
Bromazepam	Lectopam	100,000
Bromocriptine mesylate	Ergoset, Parlodel	500,000
Brompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	500,000
Bupivacaine	Marcaine, Sensorcaine	500,000
Buprenorphine	Buprenex	500,000
Buspirone HCI	Buspar	500,000
Butabarbital	Butisol, Buticaps, Busodium	100,000
Butalbital	Butalgen, Fiorgen, Fiorinal, Fiormor, Isobutyl, Isolin, Isollyl, Laninoif	100,000
Butethal	Etoval	100,000
Butorphanol	Stadol	500,000
Butyrophenone		500,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro-	500,000
Coloium hunochlorite	Plus, Vivarin	EAC 000
Calcium hypochlorite		500,000



CEDIA[®] Cocaine 150 ng/mL cutoff

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Carbamazepine	Atretol, Carbatrel, Tegretol	500,000
Carbamazepine-10,11- Epoxide		500,000
Carbromal	· · · · · · · · · · · · · · · · · · ·	500,000
Galbional	Rela, Sodol, Soma,	300,000
Carisoprodol	Soprodol, Sondel	500,000
Cefadroxil monohydrate	Duricet, Ultracef	500,000
Cefuroxime Na+	Zinacef	500,000
Cephalexin monohydrate	Cefanex, Keflex	500,000
Cephaloridine		500,000
Cephradine	Velosef, Anspor	500,000
	Chloroptic, Chloromycetin,	***
Chloramphenicol	Ocu-Chlor	500,000
Chlordiazepoxide	Libritabs, Librium, Sereen	100,000
Chloroquine phosphate	Aralen	500,000
Chlorothiazide	Diuril	500,000
Chlorotrianisene	Tace	100,000
Chlomboniromino malcoto	Aller-Chlor, Chlor-Trimeton,	500,000
Chlorpheniramine maleate	Editac 24, Chloephenamine	000,000
Chlorpromazine HCI	Thorazine	500,000
Chlorpropamide	Diabinese, Glucamide	500,000
Chlorprothixene	Taractan	500,000
Chlorzoxazone	Paraflex, Parafon Forte	500,000
	DSC	·
Cholesterol		500,000
Cimetidine	Tagamet	500,000
inoxacin	Cinobac	500,000
profloxacin HCI	Cipnol	500,000
Clematstine fumarate	Anithist-1, Tavist	500,000
Clindamycin HCI	Cleocin	500,000
Clomipramine HCI	Anafranil	500,000
Clonazepam Clonidine HCl	Klonopin	100,000
	Catapres	500,000
Clotrimazole	Mycelex Cloxapen, Dynapen,	500,000
Cloxacillin Na*	Pathocil, Tegopen,	500,000
Codeine	r autocii, regoperi,	500,000
Colchicine HCI		500,000
	A-HydroCort, Hydrocortone	000,000
Cortisol	Acetate, Solu-Cortef,	500,000
	Hydrocortisone	,
Cortisone	Cortone	500,000
ß- Cortaione		500,000
(-)Cotinine		500,000
Creatine hemisulphate		500,000
Cyclazocine		500,000
Cyclizine	Happytrip, Marezine	500,000
Cyclobenzaprine	Cycloflex, Flexeril	500,000
Cyclohexylamine		500,000
Cyclopentobarbital		100,000
Cyclophosphamide	Cytoxan, Neosar	500,000
monohydrate Overshantadiae	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Cyproheptadine	Periactin	500,000
Demoxepam Decoverationstores		500,000
Deoxycorticosterone		500,000
Deoxyepinephrine HCI		500,000
Desalkylfurazepam Desipramine HCl	Normania Detrofranc	500,000
Desibiginine UCI	Norpramin, Petrofrane Benylin DM, Delsym, Hold,	500,000
extromethorphan HBr	Perfussin 8 hr, Mediquell,	175,000

Nogativa	Teads	Concentration
Negative Compounds	Trade Name	Concentration (ng/mL)
Diacetyl morphine	Heroin	100,000
Diazepam	Valium, Valrelease, Vazepam	500,000
Dibucaine HCI	Nipercainal	500,000
Diclofenac	Cataflam, Pennsaid, Voltaren	500,000
Dicylomine HCl	Antipas, Bentyl Hydrochloride, Dibent, Dilomine	500,000
Diethylsuccinate		500,000
Diflunisal	Dolobid	500,000
Digoxin	Lanoxin	100,000
Dihydrocodeine	DHC Plus, Synalgos-DC	100,000
Diltiazem HCI	Cardizem, Dilacor, Dilitazem, Tiazac	500,000
Diphenhydramine HCI	Banophen, Benadryl, Diphedryl, Simply Sleep	500,000
Diphenoxylate HCl	Lomotil	100,000
Dipyridamole	Persantine, Permole	100,000
Disopyramide	.	1,000,000
Disulfiram	Antabuse	500,000
I-Dopa Bonomino	Dopar, Larodopa	500,000 500,000
Dopamine Doxepin HCI	Dopastat, Intropin Adapin, Sinequan	500,000
	Decapryn, Nighttime Sleep	
Doxylamine succinate	Aid, Unisom Marinol	500,000
Dronabinol Ecgonine	Mainioi	100,000 100,000
Ecgonine methyl ester		100,000
EMDP (Secondary		500,000
Methadone Metabolite) Enalapril maleate	Vanatas	
i-Ephedrine	Vasotec	500,000 500,000
I-Epinephrine		100,000
Erythromycin	AK-Mycin, E-Mycin, Eryc, Ery-Tabs, llosone, Wyamycin	500,000
b-Estradiol (E-2)	Alora, Climara, Delestrogen, DepGynogen, Depo-Estradiol, Depogen, E-Cypionae, Esclim, Estinyl, Estrace, Estraderm, Estrayn LA 5, Estring, EstroCyp, Estro-L.A., FemPatch, Gynodiol, Gynodiol, Gynogen L.A., Jnnofem, Menaval, Noven, Vagifem, Valergen, Vivelle, Vievelle-Dot	100,000
Estriol (E-3)		100,000
Estrone-3-Sulfate, Nar (E-1)	Estragyn, Estratab, Kestrone, Menest, Ogen, Ortho-Est	500,000
Ethambutol	Myambutol	500,000
Ethamivan		500,000
Ethinamate		100,000
Ethinyl Estradiol	Estinyl	100,000
Famotidine	Pepcid, Pepcid AC	500,000
Fenfluramine HCI	Pondimin	100,000
Fenoprofen Na+	Nalfon	500,000
Fentanyl citrate	Duragesic	100,000
Flufenamic acid		500,000

Page 2 of 5



Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Flunitrazepam	Rohypnol	100,000
Fluoxetine HCI	Prozac, Sarafem	500,000
Fluphenazine HCI	Prolixin	100,000
Flurazepam	Dalmane, Durapam	100,000
Flurbiprofen	Ansaid	500,000
Furosemide	Lasix	500,000
Gentisic Acid		500,000
Glutethimide		100,000
Glyburide	Diabeta, Glybenclamide, Micronase	500,000
Glycobendamide		500,000
Glycopyrrolate	Robinul	500,000
Griseofulvin	Fulvicin, Grifulvin, Grisactin, Gris-PEG	100,000
Guaiacol glycerol ether	Actifed, Drixoral,	
(Guaifenesin)	Robitussin, Hytuss	500,000
Guanethidine SO ₄	Ismelin	500,000
Halazepam	Paxipam	100,000
Haloperidol	Haldol, Peridol	500,000
Heroin HCl	rialdor, i eridor	10,000
Hexobarbital		100,000
Hippuric Acid		500,000
Hydralazine	Apresoline	500,000
nyuraiaziile	Esidrix, Hydro-DIURIL,	300,000
Hydrochlorothiazide	Hydro-D, Oretic	500,000
Hydrocodone bitartrate	Lortab, Vicodin	100,000
Hydromorphone HCI	Dilaudid	100,000
p-Hydroxyephedrine		500,000
p-Hydroxyphenobarbital H₂O		500,000
Hydroxyzine 2HCI	Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50	500,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	500,000
Iminostilbene		500,000
Imipramine	Tofranil	500,000
Indapamide	Lozol	500,000
Indole-2-carboxylic acid		500,000
Indole-3-acetic acid	Heteroauxin, Rhizopin	500,000
Indole-3-butyric acid	Hormodin, Seradix	500,000
Indomethacine	Novomethacin, Indocin	500,000
Insulin chain b, oxidized	Humalog, Humuline, lletin, Lantus, Novolin, NovoRapid, NovoLog,	500,000
	Oralin Velosulin	
Ipratropium Br	Attrovent	500,000
Iproniazid phosphate salt		500,000
Isoetharine mesylate	Bronkomrter, Bronkosol, Dey-Dose, Dey-Lute, Isoetharine	500,000
Isoniazid	Laniazid, Tubizid, INH	500,000
Isoproterenol HCI		500,000
Isoxsuprine HCI	Vasodilan, Voxsuprine	500,000
Kanamycin monosulfate	Kantrex	500,000
Ketamine HCI	Ketalar	500,000
Ketoprofen	Orudis, Oruvail	500,000
Labetalol	Normodyne, Trandate	500,000
LAMPA	riomiosjilo, riandate	2,500
	Levo-Dromoran	100 000
Levorphanol tartrate Levothyroxine (T ₄)	Levo-Dromoran Synthroid	100,000 50,000

Compounts	Manuali	700	
Lishiopril Zestril 500,000 Lithium carbamate 500,000 Loperamide Imodium 100,000 Lornetazepam Alivan 100,000 Loxapine succinate Loxitane 500,000 d-Lysergic acid 100,000 100,000 Lysergic acid diethylamide (LSD) 2,500 Mebendazole Mebendacin, Mebutar, Nemasole, Vermox 100,000 Medazepam Nobrium 100,000 Mescratine Denscrib 500,000 Mepherubrine hemsulfate 300,000 <	Negative Compounds	Trade Name	Concentration
Lithium carbamate			
Loperamide			
Lornetazepam	Loperamide	lmodium	100,000
Loxapine succinate	Lorazepam	Ativan	100,000
C-Lysergic acid 100,000 1,			100,000
Lysergic acid diethylamide (LSD)		Loxitane	
Aprobline HCl			100,000
Mebendazole Mebendacin, Mebutar, Nemasole, Vermox 100,000 Medazepam Nobrium 100,000 Medroxyprogesterone acatate Amen, Curretab, Cycrin, Depo-Provera, Provera 100,000 Melenamic acid Ponstel, Ponstan 500,000 Melphalan Alkeran 500,000 Mepheridine Demerol 100,000 Mepheridine Demerol 100,000 Mepheridine Mesantoin 500,000 Mepherytoin Mesantoin 500,000 Mescaline Peyote 500,000 Mescaline Peyote 500,000 Mescaline Peyote 500,000 Metaproterenol hemisulfate salt Alupent, Metaprel 500,000 Metaproterenol hemisulfate Aranine 500,000 Methamphetamine Desoxyn 500,000 Methamphetamine </td <td></td> <td></td> <td>2,500</td>			2,500
Medazepam Nobrium 100,000 Medraxyprogesterone acetate Amen, Curretab, Cycrin, Depo-Provera, Provera 100,000 Melenamic acid Ponstel, Ponstan 500,000 Melenamic acid Demerol 100,000 Mephentermine hemisulfate Wyamine 500,000 Mephentermine hemisulfate Wyamine 500,000 Mephentermine hemisulfate Wyamine 500,000 Mephentermine hemisulfate Mesamtoin 500,000 Mephentermine hemisulfate Mesamtoin 500,000 Mephoarbital Mebarral 100,000 Mephoarbital Mebarral 100,000 Mescatine Peyote 500,000 Mescatine Peyote 500,000 Metarapriterenol hemisulfate salt Alupent, Metapral 500,000 Metaraminol bitartrate Aramine 500,000 Methadone 500,000 500,000 Methamphetamine Desoxyn 500,000 Methamphetamine 100,000 500,000 Methapyrtline 500,000	Maprotiline HCI		500,000
Medazepam Nobrium 100,000 Medroxyprogesterone acetate Amen, Curretab, Cycrin, acetate 100,000 Mefenamic acid Penstel, Ponstar 500,000 Melphalan Alkeran 500,000 Mepheridine Demerol 100,000 Mepheridine Wyamine 500,000 Mepherytoin Mesamtoin 500,000 Mephobarbital Mebaral 100,000 Mephobarbital Mebaral 100,000 Mephobarbital Mebaral 100,000 Mephobarbital Mebaral 100,000 Mephobarbital Mebaral 500,000 Mescaline Peyote 500,000 Mescaline Alupent, Metaprel 500,000 Metaproterend he	Mebendazole		100,000
Medroxyprogesterone acetate Amen, Curretab, Cycrin, Depo-Provera, Provera 100,000 Mefenanic acid Ponstel, Ponstan 500,000 Melphalan Alkeran 500,000 Meperidine Demerol 100,000 Mephentermine hemisulfate Wyamine 500,000 Mephosphital Mebaral 100,000 Mescaline Peyote 500,000 Mescaline Serentil 500,000 Mescaline Serentil 500,000 Metaraminol bitartrate Aramine 500,000 Methadone 500,000 500,000 Methadone Desoxyn 500,000 Methamphetamine 100,000 100,000 Methamphetamine 100,000 100,000 Methapyriline 500,000 100,000	Medazepam		100.000
Acetate Depo-Provera Provera 100,000			
Mefenamic acid Ponstel, Ponstari 500,000 Melphalan Alkeran 500,000 Meperidine Demerol 100,000 Mephentermine hemisulfate Wyamine 500,000 Mephendobarbital Mesamtoin 500,000 Mephobarbital Mebaral 100,000 Mephobarbital Mebaral 100,000 Mephobarbital Carbocaine, Isocaine, Polocane 500,000 Mescaline Peyote 500,000 Mescaline Peyote 500,000 Mescaline Peyote 500,000 Metanephrine HCI Sornotial 500,000 Metanephrine HCI Atupent, Metaprel 500,000 Metaraminol bitartrate Aramine 500,000 Methadone 500,000 500,000 Methamphetamine Desoxyn 500,000 Methamphetamine 100,000 100,000 Methapphiline 500,000 100,000 Methapphiline 500,000 100,000 Methapphiline 500,000 100,000 <td></td> <td></td> <td>100,000</td>			100,000
Meperidine Demerol 100,000 Mephentermine hemisulfate Wyamine 500,000 Mephenytoin Mesamtoin 500,000 Mephobarbital Mebaral 100,000 Mephobarbital Mebaral 100,000 Mephobarbital Mebaral 500,000 Mescaline Peyote 500,000 Mesoridazine Serentil 500,000 Metararbirine HCI 500,000 Metarproterenol hemisulfate salt Alupent, Metaprel 500,000 Metararinol bitartrate Aramine 500,000 Metaraminol bitartrate Aramine 500,000 Methadone 500,000 500,000 Methamphetamine 100,000 I-Methamphetamine 100,000 Methapyriline 500,000 Methapyriline <td>Mefenamic acid</td> <td></td> <td>500,000</td>	Mefenamic acid		500,000
Mephentermine hemisulfate Wyamine 500,000 Mephenytoin Mesamtoin 500,000 Mephobarbital Mebaral 100,000 Mephobarbital Carbocaine, Isocaine, Polocane 500,000 Mescatine Peyote 500,000 Mescatine HCI Serentil 500,000 Metanephrine HCI Metanephrine HCI 500,000 Metaraminol bitartrate Aramine 500,000 Methadone 500,000 500,000 Methadone 500,000 60,000 Methamphetamine Desoxyn 500,000 Methamphetamine 100,000 100,000 Methapyriline 500,000 500,000 Methapyriline 500,000 500,000 Methapyriline 500,000 100,000 Methapyriline 500,000 100,000 <td>Melphalan</td> <td>Alkeran</td> <td></td>	Melphalan	Alkeran	
Mephentermine hemisulfate Wyamine 500,000 Mephenytoin Mesamtoin 500,000 Mephobarbital Mebaral 100,000 Mephobarbital Carbocaine, Isocaine, Polocane 500,000 Mescatine Peyote 500,000 Mescatine HCI Serentil 500,000 Metanephrine HCI Metanephrine HCI 500,000 Metaraminol bitartrate Aramine 500,000 Methadone 500,000 500,000 Methadone 500,000 60,000 Methamphetamine Desoxyn 500,000 Methamphetamine 100,000 100,000 Methapyriline 500,000 500,000 Methapyriline 500,000 500,000 Methapyriline 500,000 100,000 Methapyriline 500,000 100,000 <td>Meperidine</td> <td>Demerol</td> <td>100,000</td>	Meperidine	Demerol	100,000
Mephobarbital Mebaral 100,000 Mepivacaine HCI Carbocaine, Isocaine, Polocane 500,000 Mescatire Peyote 500,000 Mesoridazine Serentil 500,000 Metarephrine HCI 500,000 Metarproterenol hemisulfate salt Alupent, Metaprel 500,000 Metaraminol bitartrate Aramine 500,000 Methadone 500,000 500,000 Methadone 500,000 500,000 Methadone 500,000 500,000 Methamphetamine 100,000 100,000 I-Methamphetamine 100,000 100,000 Methapyriline 500,000 500,000 Methapyriline Normi-Nox, Pallidan, 500,000 100,000 Methapyriline 100,000 100,000 Methapyriline Hiprex, Mandameth, 400,000 100,000 Methapyriline Robamol, Delaxin 500,000 Methocarbamol Robamol, Delaxin 500,000 Methoxamine HCl Vasoxyl 500,000 Methoxyphenamine HCl		Wyamine	
Mepivacaine HCI Carbocaine, Isocaine, Polocane 500,000 Mescaline Peyote 500,000 Mesoridazine Serentil 500,000 Metanephrine HCI 500,000 Metarpoterenol hemisulfate salt Alupent, Metaprel 500,000 Metaraminol bitartrate Aramine 500,000 Methadone 500,000 500,000 Methadone 500,000 500,000 Methamphetamine 100,000 100,000 I-Methamphetamine 100,000 100,000 I-Methamphetamine 100,000 100,000 Methapyriline 500,000 500,000 Methaqualone HCI Normi-Nox, Pallidan, Somnomed, Quaalude 100,000 Methapyriline Gemonit 100,000 Metharbital Gemonit 100,000 Metharbital Gemonit 100,000 Methocarbamol Robarnol, Delaxin 500,000 Methotoximperazine maleate Levoprone 500,000 Methotximeprazine maleate Levoprone 500,000 Methoxyphenamine	Mephenytoin	Mesamtoin	500,000
Meproacaine HCI Isocaine, Polocane 500,000 Mescatine Peyote 500,000 Metanephrine HCI 500,000 Metarpoterenol hemisulfate salt Alupent, Metaprel 500,000 Metaraminol bitartrate Aramine 500,000 Methadone 500,000 500,000 Methamphetamine 100,000 100,000 Methamphetamine 100,000 100,000 Methapyriline 500,000 100,000 Methapyriline 500,000 100,000 Methapyriline 500,000 100,000 Metharbital Gemonil 100,000 Metharbital Gemonil 100,000 Methocarbamol Robamol, Delaxin 500,000 Methocarbamol Robamol, Delaxin 500,000 Methoxamine HCI Vasoxyl 500,000 Methoxyphenamine HCI Vasoxyl 500,000 Methoxyphenamine HCI Vasoxyl 500,000 Methoxyphenamine HCI 500,000 Methyphenidate Ritalin 100,000	Mephobarbital	Mebaral	100,000
Mescaline Peyote 500,000 Mesoridazine Serentil 500,000 Metanephrine HCI 500,000 Metaproterenol hemisulfate salt Alupent, Metaprel 500,000 Metaraminol bitartrate Aramine 500,000 Methadone 500,000 500,000 Methadone 500,000 500,000 Methamphetamine 100,000 100,000 I-Methamphetamine 100,000 100,000 Methaqualone HCI Normi-Nox, Pallidan, Sornnomed, Quaalude 100,000 Methaqualone HCI Normi-Nox, Pallidan, Sornnomed, Quaalude 500,000 Methaqualone HCI Normi-Nox, Pallidan, Sornnomed, Quaalude 500,000 Methaqualone HCI Hiprex, Mandameth, Mandameth, Mandamine, Urex 500,000 Methocarbamol Robamol, Delaxin 500,000 Methocarbamol Robamol, Delaxin 500,000 Methocarbamine HCI Vasoxyl 500,000 Methoxamine HCI Vasoxyl 500,000 Methoxyphenamine HCI 500,000 Methoxyphenamine HCI 500,000 <td>Mepivacaine HCI</td> <td></td> <td></td>	Mepivacaine HCI		
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		Corgard	
	Nafcillin, Na+ salt	Unipen	500,000



Negative	Trade	Concentration
Compounds Nalidixic acid, Na+ salt	Name	(ng/mL)
Nalorphine HCI	Neggram	500,000 100,000
Naloxone HCI	Narcan	500,000
Naltrexone HCI	Depade, Revia	500,000
	AK-Con, Albalon, Clear Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's	· · · · · · · · · · · · · · · · · · ·
Naphazoline HCI	Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu-Zoline, Opcon, VasoClear	500,000
Naproxen Na*	Aleve, Anaprox, Naprosyn	500,000
Nelopam HCl		500,000
Neomycin SO ₄	Mycifradin Sulfate, Neo- Fradin, Neo-Tabs, Myciguent	500,000
Niacinamide (Nicotinamide)		500,000
Nialamide		500,000
Nicotine	Habitrol, Nicoderm, Nicorette, Nicotrol, ProStep	100,000
Nicotinic acid (Niacin)		500,000
Nifedipine Nitropped	Procardia	500,000
Nitrazepam Nitrofurantion	Manahid	100,000
p-Nitrophenol	Macrobid	500,000
P-Mit opnenoi Norchlordiazepoxide		500,000
Norcodeine HCl		100,000
Nordiazepam	-	100,000
esmethyldiazepam)		100,000
Nordouripramine Nordoxepin HCl		500,000
I-Norepinephrine HCI	Layonad	500,000 500,000
-могершериние пог	Levopod Aygestom, Micronor,	300,000
Norethindrone	Norlutin	500,000
Norfloxacin	Noroxin	500,000
d-Norgestrel Normorphine H ₂ O	Ovrette	500,000
		100,000
Normorphone d-Norpropoxyphene		100,000 500,000
Nortriptyline HCl	August Damaler	500,000
Noscapine HCI	Aventyl, Pamelor	500,000
Nylidrin HCl		500,000
Octopamine HCI		500,000
Ofloxacin	Floxin	500,000
Orotic Acid	LIUABI	500,000
Orphenadrine HCI	Flexoject, Myophen, Norflex	500,000
Oxazepam	Serax	100,000
Oxycodone HCI	OxyContin	100,000
Oxymetazoline HCl	Dristan, Sinarest	500,000
Oxymorphone	Numorphan	100,000
Oxyphenbutazone H ₂ O		500,000
Pargyline	Eutron	500,000
Penicillin G	Pfizerpen	500,000
Penicillin V potassium	PenVee K, Robicillin VK, Veetids, V-Cillin K	500,000
Pentazocine HCI	Talwin	100,000
Pentobarbital	Nembutal	100,000
Pentoxifylline	Trental	500,000
Perphenazine	Trilafon	500,000
Phenacetin		500,000
enazopyridine HCl	Azo-Standard, Pyridium, Urodine	500,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Phencyclidine (PCP)		500,000
Phendimetrazine bitartrate	Bontril, Plegine	100,000
Phenelzine SO ₄	Nardil, Parnate, Marplan	500,000
b-Phenethylamine HCI		500,000
Phenformin		500,000
Pheniramine	Trimeton	500,000
Phenobarbital	Luminal	500,000
Phenothiazine		100,000
Phenoxazine	6.4'5 4' -	500,000
Phensuximide	Milontin	500,000
Phentermine	Adipex, Fastin, Ionamin, Obernix, Obephen, Obermine, Obermine, Obestin, Phentamine	100,000
Phentolamine HCI	Regitine, Vasomax	500,000
Phenylalanine		500,000
Phenylbutazone	Azorld, Butazolidin	100,000
Phenylcyclohexylamine		500,000
Phenylcyclopropylamine HCI		500,000
m-Phenylenediamine		500,000
Phenylpropanolamine	Acutrim, Dexatrim, Dura- Vent	500,000
Phenyltoloxamine citrate salt	Poly-Histine-D	500,000
Phthalic acid		500,000
Picrotoxin		500,000
Pipemidic acid		500,000
Piroxicam	Feldene	500,000
Potassium chloride	Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Lor, Kaon-CL, Slow-K, K-Norm, Ten-K	500,000
Potassium iodide	Pima, SSKI	500,000
Prazepam	Centrax	100,000
Prazosin HCI	Minipress	100,000
Prednisolone	Hydeltrasol (Injection)	500,000
Prednisone	Deltasone, Meticorten, Orasone, Stempred	100,000
Pregnenolone		500,000
Prilocaine HCI	Citanest	50 0,000
Primidone	Mysoline	500,000
Probenecid	Benemid, Benuryl, Probalan	500,000
Procainamide HCI	Procan SR, Procamide SR, Promine, Pronestyl, Pronestyl-SR, Procanbid	500,000
Procaine HCI	Novocain	500,000
Procyclidine HCI	Kemadrin	500,000
Progesterone	Crinane, Ovrette, Micronor, Nor-QD	500,000
Promazine	Primazine, Protine-50, Sparine	500,000
Promethazine HCI	Phenergan	500,000
Propiomazine	Largon	500,000
Propoxyphene	Darvon	500,000
Propranolol	Betachron, Inderal	500,000
Propylbenzene		500,000
Protriptyline HCI	Vivactil	500,000
I-Pseudoephedrine HCI	Sudafed	500,000
Pyridinium chlorochromate		500,000
Pyridoxine (Vitamine B6)	Nestrex	500,000
Pyrilamine maleate salt	*	500,000
Quinacrine 2HCI	Atabrine	500,000



Negative Compounds	Trade Name	Concentration (ng/mL)
Quinidine	Cardioquin, Cin-Quin, Duraquin, Noyoquinidin, Quinaglute Dura-Tabs, Quinalan, Quinatime, Quinidex Extentabs, Quinora, Quin-Release	500,000
Ranitidine HCI	Zantac	500.000
Rescinnamine	Moderil	100,000
Reserpine	Novoresperine, Resertia, Serpalan, Serparil	100,000
Retinoic acid		100,000
Rifampicin	Rifadin	500,000
Ritodrine HCI	Yutopar	500,000
Salicylic acid	Disalcid, Mono-Gesic, Salflex, Salgesic, Salsitab	100,000
Salicyluric acid		500,000
Scopolamine HBr H₂O	Transderm-Scop	500,000
Secobarbital	Seconal	500,000
Strychnine		100,000
Sulfamethazine Na+		500,000
Sulfamethoxazole	Bactrim, Cotrim, Septra, Sulfamethoprim, Sulfatrim, Uroplus	500,000
Sulfathiazole Na+salt	Sulfa-Gyn, Sulnac, Sultrin, Trysul, V.V.S.	500,000
Sulfisoxazole	Gantrisin	500,000
Sulindac	Clinoril	500,000
Talbutal	-	100,000
Temazepam	Restoril, Razepam, Temaz	100,000
Terbutaline 1/2 SO4	Brethaine, Brethine, Bricanyl	500,000
Terfenadine	Seldane	500,000
Tetracaine HCI	Ak-T-Caine, CepacolViractin, Pontocaine, Opticaine	500,000
Tetracycline	Achromycin V, Parimycin, Sumycin, Tettracyn, Robitet	500,000
Tetrahydrocortisone		500,000
Tetrahydrozoline HCl	Tyzine, Visine	500,000
Thanzylamine HCl	Aerolate, Asmalix,	500,000
Theophylline	Elixophyllin, Quinbron, Respbid, Slo-Phyllin, Slo- bid, Theo-24, Theo-Dur, Theolair	500,000
Thiamine HCl	Betalins, Biamine	500,000
Thioridazine HCl	Mellaril	500,000
Thiothixene	Navane	500,000
Thyroxine		500,000
Timolol maleate	Betimol, Blocadren, Timoptic	500,000
Tocopherol phosphate disodium		500,000
Tolbutamide	Orinase	500,000
Tolmetin	Tolectin	500,000
m-Toluic acid		500,000
p-Toluic acid		500,000
Tramadol	Ultram	500,000
Tranylcypromine HCI	Pamate	500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Joinpourius	Aristocort, Aristospan,	(iighter)
Triamcinolone	Azmacort, Kenalog,	500,000
Tres. Tres.	Nasacort	550,000
Triamterene	Dyrenium	100,000
Triazolam	Halcion	70,000
Tribenzylamine		500,000
Triflupromazine HCI	Vesprin	500,000
Trihexyphenidyl HCI	Artane	500,000
Trimethobenzamide HCI	Апеstin, T-Gen, Tebamide, Tigan, Trimazide	62,500
Trimethoprim	Proloprim, Trimpex	500,000
Trimipramine maleate	Surmontil	500,000
Tripelennamine HCI	PBZ, PBZ-SR	500,000
Triprolidine HCI	Actagen-C, Allerfrin w/Codenine, Aprodine w/Codenine, Triacin-C, Trifed-C	500,000
Tropic acid		500,000
Tropine	I-Tropine, Ocu-Tropine	500,000
Tryptamine HCI		500,000
Tryptophan		500,000
Tyramine		500,000
Tyrosine		500,000
Urea	Aquacare, Carmel, Grodon's Urea, Ureaphil	500,000
Uric acid		500,000
Verapamil HCI	Isoptin, Verelan	500,000
Warfarin	Cournadin	500,000
Zomepirac Na+ salt		500,000
Zoplicone	Imovane	500,000



CEDIA® Cocaine 300 ng/mL cutoff

Positive Compounds	Trade Name	Concentration (ng/mL)
Benzoylecgonine		300
Cocaethylene		530
Cocaine		560
3,4 Methylenedioxypyrovalerone (MDPV)	Bath Salt	500,000
Quinine HCI	Quinamm, Quindan, Quiphile, Q-Vel, Strema	200,000
Quinine Sulfate	Formula Q	300,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
1,3-Dimethylbarbituric acid		500,000
1-Phenylcyclohexylamine 4-OH-PCP HCI		500,000
		500,000
5,5-Diphenylhydantoin (Phenytoin)	Dilantin	500,000
5-Hydroxyindole-2- rboxylic acid		500,000
-Hydroxyindole-3-acetic acid		500,000
5-Hydroxytryptamine		500,000
(Serotonin) 6-Monoacetyl morphine	· · · · · · · · · · · · · · · · · · ·	100,000
10,11-		
Dihydrocarbamazepine		500,000
11-nor-D9-THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetanilide	. j.o.ioi	500,000
Acetazolamide	Diamox, Acetazolam	500,000
Acetophenetidine		500,000
N-Acetyl-I-cysteine	Mucomyst, Mucosil, Parvolex	500,000
N-Acetylprocainamide		500,000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	500,000
Albuterol	Proventil, Ventolin	500,000
Allobarbital	Asmac, Cibalgine, Diadol, Dially Barbíturic Acid, Dial, Malilum, Sornnocodal	100,000
Allopurinol	Alloprim, Apo-Allopurinal, Lopurin, Novopurol, Purhol	500,000
Alphaprodine HCl		100,000
Alphenal	Alphenate, Allofenyl, Efrodal, Fenallymal	100,000
Alprazolam	Tafil, Valeans, Xanax, Xandor	100,000
a-OH-Alprazolam		10,000
Alprenolol HCl		500,000
mantadine HCI	Symadine, Symmentrel	500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
p-Aminobenzoic acid (PABA)		500,000
Aminoglutethimide	Cytadren, Orimeten	500,000
I-Aminopyrine		500,000
Amitriptyline HCI	Elavil, Endep, Enovil, Emitrip	500,000
Ammonium chloride	273375	500,000
Amobarbital	Amytal	100,000
Amoxapine	Asendin	500,000
Amoxicillin	Amaxil, Polymar, Trimox, Wymox	100,000
Amphetamine		500.000
d-Amphetamine		100,000
	Omnipen, Principen,	
Ampicillin, Na salt	Marcillin, Totacillin	500,000
Ampicillin, anhydrous		500,000
Aniline HCI		500,000
Aprobarbital	Alurate	100,000
I-Ascorbic acid	Ascorbicap, Cebid, Cecon, Cevalin, Flavorcee, Nice, Vita-C	500,000
Aspartame	Equal, Nutrasweet	500,000
Astemizole	Hismanal	500,000
Atendial	Tenormin	500,000
Atropine SO ₄ monohydrate	Atropen, Attropisol, Atrosulf, Saltropine	500,000
Barbital	Deba	100,000
Barbituric acid	Deba	500,000
Beclomethasone		300,000
dipropionate	Beclovent	100,000
Bernegride		500,000
Benactyzine		500,000
Dellactyzine	Anbesol, Americaine, Otic.	300,000
Benzocaine	Hurricaine, Orajel, Zilactin	500,000
Benzoic acid	Atrosept, Dolsed, Prosed, UAA, Uridon, Urised, Uritab, Uritin	500,000
Benzonatate	Tessalon	500,000
Benzophenone		500,000
Benzotropine mesylate	Cogentin	500,000
Benzylamine HCI		500,000
Bethanechol chloride	Duvoid, Urabeth	500,000
Bromazepam	Lectopam	100,000
Bromocriptine mesylate	Ergoset, Parlodel	500,000
Brompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	500,000
Bunivacaina		500.000
Bupivacaine	Marcaine, Sensorcaine	
Buprenorphine	Buprenex	500,000
Buspirone HCI	Buspar Butical Duticons Busedium	500,000
Butabarbital	Butisol, Buticaps, Busodium	100,000
Butalbital	Butalgen, Fiorgen, Fiorinal, Fiormor, Isobutyl, Isolin, Isollyl, Laninoif	100,000
Butethal	Etoval	100,000
Butorphanol	Stadol	500,000
Butyrophenone		500,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro-	500,000
	Plus, Vivarin	
Calcium hypochlorite		500,000
Captopril	Capoten	500,000



B- Cortolone 500,000 (-)Cotinine 500,000 Creatine hemisulphate 500,000 Cyclazocine 500,000 Cyclizine Happytrip, Marezine 500,000 Cyclobenzaprine Cycloffex, Flexeril 500,000 Cyclophosylamine 500,000 Cyclopentobarbital 100,000 Cyclophosphamide monohydrate Cytoxan, Neosar 500,000 Cyproheptadine Periactin 500,000 Demoxepam 500,000 Deoxycorticosterone 500,000 Deoxyepinephrine HCl 500,000 Desalkyffurazepam 500,000 Desipramine HCl Norpramin, Petrofrane 500,000	Negative Compounds	Trade Name	Concentration (ng/mL)
Epoxide		Atretol, Carbatrel, Tegretol	500,000
Carbromal 500,000 Carisoprodol Reia, Sodol, Sorna, Soprodol, 500,000 Cefadroxil monohydrate Duricet, Ultracef 500,000 Cephalexin monohydrate Cefanex, Keflex 500,000 Cephalexin monohydrate Cefanex, Keflex 500,000 Cephaloridine Velosef, Anspor 500,000 Cephardine Velosef, Anspor 500,000 Chloramphenicol Chioroptic, Chloromycetin, Ocu-Chlor 500,000 Chlordiazepoxide Libritabs, Librium, Sereen 100,000 Chlordiazepoxide Libritabs, Librium, Sereen 100,000 Chlorophaniramine phase Tarace 100,000 Chlorophaniramine maleate Aller-Chlor, Chlor-Trimeton, Edifac 24, Chloephenamine 500,000 Chlorpromazine HCI Thorazine 500,000 Chlorpromazine HCI Thorazine 500,000 Chlorpromazine HCI Thorazine 500,000 Chlorpromazine HCI Taractan 500,000 Chlorpromazine HCI Cipane 500,000 Chlorpromazine HCI Cipane 500,000 Cind			500,000
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Desipramine HCI Norpramin, Petrofrane 500,000			
		Moraramia Datatana	
	,	Benylin DM, Delsym, Hold,	175,000

Negative	Trade Name	Concentration
Compounds Diacetyl morphine	Heroin	(ng/mL) 100,000
Diacetyl morphine	Valium, Valrelease,	
Diazepam	Vazepam	500,000
Dibucaine HCl	Nipercainal	500,000
	Cataflam, Pennsaid,	· · · · · · · · · · · · · · · · · · ·
Diclofenac	Voltaren	500,000
	Antipas, Bentyl	****
Dicylomine HCI	Hydrochloride, Dibent,	500,000
	Dilomine	,
Diethylsuccinate		500,000
Diffunisal	Dolobid	500,000
Digaxin	Lanoxin	100,000
Dihydrocodeine	DHC Plus, Synalgos-DC	100,000
Diltiazem HC1	Cardizem, Dilacor,	500,000
DWGGZGIII I IGI	Dilitazem, Tiazac	300,000
Diphenhydramine HCI	Banophen, Benadryl,	500,000
	Diphedryl, Simply Sleep	
Diphenoxylate HCI	Lomotil	100,000
Dipyridamole	Persantine, Permole	100,000
Disopyramide		1,000,000
Disulfiram	Antabuse	500,000
I-Dopa	Dopar, Larodopa	500,000
Dopamine	Dopastat, Intropin	500,000
Doxepin HCI	Adapin, Sinequan	500,000
Doxylamine succinate	Decapryn, Nighttime Sleep Aid, Unisom	500,000
Dronabinol	Marinol	100,000
Ecgonine		10,000
Ecgonine methyl ester		10,000
EMDP (Secondary Methadone Metabolite)		500,000
Enalaprit maleate	Vasotec	500,000
I-Ephedrine		500,000
I-Epinephrine		100,000
	AK-Mycin, E-Mycin, Eryc.	
Erythromycin	Ery-Tabs, llosone,	500,000
	Wyamycin	
b-Estradiol (E-2)	Alora, Climara, Delestrogen, DepGynogen, Depo-Estradiol, Depogen, E-Cypionae, Esclim, Estinyl, Estrace, Estraderm, Estragyn LA 5, Estring, EstroCyp, Estro-L.A., FemPatch, Gynodiol, Gynodiol, Gynogen L.A., trinofern, Menaval, Noven, Vagifem, Valergen, Vivelle, Vievelle-Dot	100,000
Estriol (E-3)		100,000
Estrone-3-Sulfate, Na+ (E-1)	Estragyn, Estratab, Kestrone, Menest, Ogen, Ortho-Est	500,000
Ethambutol	Myambutol	500,000
Ethamivan	m ampaior	500,000
Ethinamate		100,000
Ethinyl Estradiol	Estinyl	100,000
Famotidine	Pepcid, Pepcid AC	500,000
Fenfluramine HCI	Pondimin	100,000
Fenoprofen Na*	Nalfon	500,000
Fentanyl citrate	Duragesic	100,000
Flufenamic acid		500,000

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Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Flunitrazepam	Rohypnol	100,000
Fluoxetine HCI	Prozac, Sarafem	500,000
Fluphenazine HCI	Prolixin	100,000
Flurazepam	Dalmane, Durapam	100,000
Flurbiprofen	Ansaid	500,000
Furosemide	Lasix	500,000
Gentisic Acid		500,000
Glutethimide		100,000
Glyburide	Diabeta, Glybenclamide,	
	Micronase	500,000
Glycobenclamide		500,000
Glycopyrrolate	Robinul	500,000
Griseofulvin	Fulvicin, Grifulvin, Grisactin, Gris-PEG	100,000
Guaiacol glycerol ether	Actifed, Drixoral,	500,000
(Guaifenesin)	Robitussin, Hytuss	
Guanethidine SO ₄	Ismelin	500,000
Halazepam	Paxipam	100,000
Haloperidol	Haldol, Peridol	500,000
Heroin HCI		10,000
Hexobarbital		100,000
Hippuric Acid		500,000
Hydralazine	Apresoline	500,000
Hydrochlorothiazide	Esidrix, Hydro-DłURIL, Hydro-D, Oretic	500,000
Hydrocodone bitartrate	Lortab, Vicodin	100,000
Hydromorphone HCI	Dilaudid	100,000
Hydroxyephedrine		500,000
p-Hydroxyphenobarbital H₂O		500,000
Hydroxyzine 2HCI	Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50	500,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	500,000
lminostilbene		500,000
Imipramine	Tofranil	500,000
Indapamide	Lozol	500,000
Indole-2-carboxylic acid		500,000
Indole-3-acetic acid	Heteroauxin, Rhizopin	500,000
Indole-3-butyric acid	Hormodin, Seradix	500,000
Indomethacine	Novomethacin, Indocin	500,000
	Humalog, Humuline, lletin,	
Insulin chain b. oxidized	Lantus, Novolin,	500,000
Wilder Chair B, BAIGIZEG	NovoRapid, NovoLog,	300,000
	Oralin, Velosulin	
Ipratropium Br	Attrovent	500,000
proniazid phosphate salt		500,000
	Bronkomiter, Bronkosol,	
Isoetharine mesylate	Dey-Dose, Dey-Lute,	500,000
Isoniazid	Isoetharine Laniazid, Tubizid, INH	500,000
Isoproterenol HCI	Lamaziu, Tubiziu, IIVIT	500,000
Isoxsuprine HCI	Vasodilan, Voxsuprine	500,000
Kanamycin monosulfate	Kantrex	500,000
Ketamine HCI	Ketalar	500,000
Ketoprofen	Orudis, Oruvail	500,000
Labetalol	Normodyne, Trandate	500,000
LAMPA	nomoujne, namuate	2,500
Leverphanol tartrate	Levo-Dromoran	100,000
Levothyroxine (T ₄)	Synthroid	50,000
locaine	Xylocaine	500,000
ICCOING	Aylocalise	200,000

Negative Compounds	Trade Name	Concentration
Lisinopril	Zestril	(ng/mL) 500,000
Lithium carbamate	2000)	500,000
Loperamide	Imodium	100,000
Lorazepam	Ativan	100,000
Lormetazepam		100,000
Loxapine succinate	Loxitane	500,000
d-Lysergic acid		100,000
Lysergic acid diethylamide (LSD)		2,500
Maprotiline HCI	Ludiomil	500,000
Mebendazole	Mebendacin, Mebutar, Nemasole, Vermox	100,000
Medazepam	Nobrium	100,000
Medroxyprogesterone	Amen, Curretab, Cycrin,	100,000
acetate	Depo-Provera, Provera	
Mefenamic acid	Ponstel, Ponstan	500,000
Melphalan	Alkeran	500,000
Meperidine	Demerol	100,000
Mephentermine hemisulfate	Wyamine	500,000
Mephenytoin	Mesamtoin	500,000
Mephobarbital	Mebaral	100,000
Mepivacaine HCI	Carbocaine, Isocaine,Polocaine	500,000
Mescaline	Peyote	500,000
Mesoridazine	Serentil	500,000
Metanephrine HCI		500,000
Metaproterenol hemisulfate salt	Alupent, Metaprel	500,000
Metaraminol bitartrate	Aramine	500,000
Methadone		500,000
Methamphetamine	Desoxyn	500,000
d-Methamphetamine		100,000
I-Methamphetamine		100,000
Methapyriline		500,000
Methaqualone HCI	Normi-Nox, Pallidan,	100,000
· 	Somnomed, Quaalude	· · · · · · · · · · · · · · · · · · ·
Metharbital	Gemonil	100,000
Methenamine	Hiprex, Mandameth, Mandelamine, Urex	500,000
Methocarbamoi	Robamol, Delaxin	500,000
Methohexital		100,000
Methotrimeprazine maleate	Levoprone	500,000
Methoxamine HCI	Vasoxyl	500,000
Methoxyphenamine HCI		500,000
Methsuximide	Celontin	500,000
a-Methyl-L-dopa	Aldomet	500,000
Methylphenidate	Ritalin	100,000
Methypryton	Noludar	100,000
Metodopramide	Reglan, Octamide	500,000
Metoproiol tartrate	Lopressor	500,000
Metronidazole	Flagyl, Metizol, Protostat	500,000
Mianserin	Bolvidon, Lumin, Tolvon	500,000
Miconazole NO ₄	Monistat	500,000
Midazolam	Versed	500,000
Monoethylglycinexylidide HCI (MEGX)		500,000
Morphine SO ₄	MS Contin, MSIR, Oramorph SR, Roxanol	100,000
Morphine-3-b D-Glucuronide	- : - : - : - : - : - : - : - : - : - :	100,000
Nadolol	Corgard	500,000
Nafcillin, Na+salt	Unipen	500,000



Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Nalidixic acid, Nar salt	Neggram	500,000
Nalorphine HCl		100,000
Naloxone HCI	Narcan	500,000
Naltrexone HCI	Depade, Revia	500,000
	AK-Con, Albalon, Clear	
	Eyes, Comfort, Degest 2,	
Naphazoline HCt	Estivin II, I-Naphline, Muro's Opcon, Nafazair, Naphcon,	500.000
Haphazolike Hot	Naphcon Forte, Napholine,	300,000
	Ocu-Zoline, Opcon,	
	VasoClear	
Naproxen Na+	Aleve, Anaprox, Naprosyn	500,000
Nelopam HCI		500,000
	Mycifradin Sulfate, Neo-	
Neomycin SO ₄	Fradin, Neo-Tabs,	500,000
	Myciguent	
Niacinamide (Nicotinamide)		500,000
Nialamide		500,000
Nicotine	Habitrol, Nicoderm,	100,000
	Nicorette, Nicotrol, ProStep	
Nicotinic acid (Niacin)	Descrip	500,000
Nifedipine	Procardia	100,000
Nitrazepam Nitrofurantion	Macrobid	500,000
p-Nitrophenol	Macropio	500,000
Norchlordiazepoxide		100,000
Norcodeine HCl		100,000
Nordiazepam		
(Desmethyldiazepam)		100,000
Nordouripramine		500,000
Nordoxepin HCl		500,000
I-Norepinephrine HCI	Levopod	500,000
Norethindrone	Aygestom, Micronor,	500,000
Norfloxacin	Norlutin Norexin	500,000
d-Norgestrel	Ovrette	500,000
Normorphine H ₂ O	Oviene	100,000
Nomorphone		100,000
d-Norpropoxyphene		500,000
Nortriptyline HCI	Aventyl, Pamelor	500,000
Noscapine HCI		500,000
Nylidrin HCI		500,000
Octopamine HCI		500,000
Ofloxacin	Floxin	500,000
Orotic Acid		500,000
Orphenadrine HCI	Flexoject, Myophen, Norflex	500,000
Oxazepam	Serax	100,000
Oxycodone HCI	OxyContin	100,000
Oxymetazoline HCI	Dristan, Sinarest	500,000
Oxymorphone	Numorphan	100,000
Oxyphenbutazone H ₂ O	Cutron	500,000
Pargyline Penicillin G	Eutron Pfizerpen	500,000 500,000
	PenVee K, Robicillin VK,	
Penicillin V potassium	Veetids, V-Cillin K	500,000
Pentazocine HCI	Talwin	100,000
Pentobarbital	Nembutal	100,000
Pentoxifylline	Trental	500,000
Perphenazine	Trilafon	500,000
Phenacetin		500,000
Phenazopyridine HCI	Azo-Standard, Pyridium,	500,000
	Urodine	

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Negative Compounds	Trade Name	Concentration (ng/mL)
Quinidine	Cardioquin, Cin-Quin, Duraquin, Novoquinidin, Quinaglute Dura-Tabs, Quinalan, Quinatime, Quinidex Extentabs, Quinora, Quin-Release	500,000
Ranitidine HCI	Zantac	500,000
Rescinnamine	Moderil	100,000
Reserpine	Novoresperine, Resertia, Serpalan, Serparil	100,000
Retinoic acid		100,000
Rifampicin	Rifadin	500,000
Ritodrine HCI	Yutopar	500,000
Salicylic acid	Disalcid, Mono-Gesic, Salflex, Salgesic, Salsitab	100,000
Salicyluric acid		500,000
Scopolamine HBr H ₂ O	Transderm-Scop	500,000
Secobarbital	Seconal	500,000
Strychnine		100,000
Sulfamethazine Na+		500,000
Sulfamethoxazole	Bactrim, Cotrim, Septra, Sulfamethoprim, Sulfatrim, Uroplus	500,000
Sulfathiazole Na+salt	Sulfa-Gyn, Sulnac, Sultrin, Trysul, V.V.S.	500,000
Sulfisoxazole	Gantrisin	500,000
lindac	Cfinoril	500,000
albutal		100,000
Temazepam	Restoril, Razepam, Temaz	100,000
Terbutaline 1/2 SO ₄	Brethaine, Brethine, Bricanyl	500,000
Terfenadine	Seldane	500,000
Tetracaine HCI	Ak-T-Caine, CepacolViractin, Pontocaine, Opticaine	500,000
Tetracycline	Achromycin V, Parimycin, Sumycin, Tettracyn, Robitet	500,000
Tetrahydrocortisone		500,000
Tetrahydrozoline HCl	Tyzine, Visine	500,000
Thanzylamine HCI		500,000
Theophylline	Aerolate, Asmalix, Elixophylin, Quinbron, Respbid, Slo-Phyllin, Slo- bid, Theo-24, Theo-Dur, Theolair	500,000
Thiamine HCI	Betalins, Biamine	500,000
Thioridazine HCI	Mellaril	500,000
Thiothixene	Navane	500,000
Thyroxine		500,000
Timolol maleate	Betimol, Blocadren, Timoptic	500,000
Tocopherol phosphate disodium		500,000
Tolbutamide	Orinase	500,000
Tolmetin	Tolectin	500,000
m-Toluic acid		500,000
p-Toluic acid		500,000
Tramadol	Ultram	500,000
Transferenceming HCI	Parnate	500 000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
•	Aristocort, Aristospan,	
Triamcinolone	Azmacort, Kenalog,	500,000
	Nasacort	
Triamterene	Dyrenium	100,000
Triazolam	Halcion	70,000
Tribenzylamine		500,000
Triflupromazine HCl	Vesprin	500,000
Trihexyphenidyl HCl	Artane	500,000
Trimethobenzamide HCI	Arrestin, T-Gen, Tebamide,	62.500
minemodenzamide noi	Tigan, Trimazide	02,300
Trimethoprim	Proloprim, Trimpex	500,000
Trimipramine maleate	Surmontil	500,000
Tripelennamine HCI	PBZ, PBZ-SR	500,000
	Actagen-C, Allerfrin	
Triprolidine HCl	w/Codenine, Aprodine	500,000
ripronuine noi	w/Codenine, Triscin-C,	
	Trifed-C	
Tropic acid		500,000
Tropine	I-Tropine, Ocu-Tropine	500,000
Tryptamine HCI		500,000
Tryptophan		500,000
Tyramine		500,000
Tyrosine		500,000
Urea	Aguacare, Carmel,	£00.000
Urea	Grodon's Urea, Ureaphil	500,000
Uric acid		500,000
Verapamil HCl	Isoptin, Verelan	500,000
Warfarin	Coumadin	500,000
Zomepirac Na*salt		500,000
Zoplicone	Imovane	500,000

Tranylcypromine HCl

azodone HCI

500,000

500,000

Parnate

Desyrel



CEDIA® Heroin Metabolite (6 Acetylmorphine) 10 ng/mL cutoff

Positive Trade	Concentration
Compounds Name	(ng/mL)
6-Acetylmorphine	10

Negative Compound	Trade Name	Concentration (ng/mL)
10,11-Dihydro- carbamazepine		85,000
11-nor-D9-THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra,Tylenol	500,000
Acetylsalicylic acid	Aspirin	500,000
Amitriptyline	Elavil, Endep, Enovil, Emitrip	500,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymox	500,000
Amphetamine		1,000,000
Aripiprazole	Abilify	500,000
Benzotropine Mesylate	Cogentin	500,000
Benzoylecgonine		100,000
Brompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	75,000
Caffine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	500,000
Captopril	Capoten	500,000
Chlordiazepoxide	Libritabs, Librium, Sereen	100,000
Chlorpromazine	Thorazine	10,000
Cimetidine	Tagamet	500,000
Codeine		500,000
Codeine-6-Glucuronide		500,000
Desipramine	Norpramin, Petrofrane	500,000
Dextromethorphan	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	100,000
Diazepam	Valium, Valrelease, Vazepam	100,000
Digoxin	Lanoxin	100,000
Dihydrocodeine	DHC Plus, Synalgos-DC	500,000
Diphenhydramine	Banophen, Benadryl, Diphedryl, Simply Sleep	50,000
Doxepine HCL	Adapin, Sinequan	100,000
Enalapril	Vasotec	500,000
Fluoxetine	Prozac, Sarafem	500,000
Haloperidol	Haldol, Peridol	100,000
Heroin HCI		80
Hydrocodone	Lortab, Vicodin	300,000
Hydromorphone	Dilaudid	10,000
Hydroxyzine 2HCI	Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50	500,000

Negative	Trade	Concentration	
Compound	Name	(ng/mL)	
	Advil, Haltraл, Mediprene,		
Ibuprofen	Motrin, Nuprin, Proen,	500,000	
	Rufen		
Imipramine	Tofranit	200,000	
Levorphanol	Levo-Dromoran	10,000	
Levothyroxine (T ₄)	Synthroid	50,000	
Meperidine	Demerol	800,000	
Methadone	Dolophine	500,000	
Methamphetamine	Desoxyn	500,000	
Morphine		9,000	
Morphine-3-Glucuronide		600,000	
Morphine-6-Glucuronide		600,000	
Natorphine		7,000	
Naloxone	Narcan	300,000	
Naltrexone	Depade, ReVia	300,000	
Nifedipine	Procardia	500,000	
Norcodeine		600,000	
Nordiazepam		400.000	
(Desmethyldiazepam)		100,000	
Normorphine		30,000	
Oxazepam	Serax	250,000	
Oxycodone	OxyContin	400,000	
Oxymorphone	Numorphan	80,000	
Perphenazine	Tritafon	150,000	
Petazocine HCL	Talwin	350,000	
Phecyclidine (PCP)	<u> </u>	30,000	
Phenobarbital	Luminal	500,000	
Procyclidine	Kemadrin	800,000	
Propoxyphene		500,000	
Protriptyline	Vivactil	200,000	
Ranitidine	Zantac	500,000	
Salicyluric Acid		500,000	
Secobarbital	Seconal	500,000	
Triprolidine	Actagen, Allerfrin, Aprodine	50,000	
Verapamil	Isoptin, Verelan	500,000	



CEDIA® LSD 0.5 ng/mL cutoff

Positive Сотроил	Trade Is Name	Concentration T ^{ent} (ng/mL)
2-oxo-3-hydroxy L	SD	30
d-LSD		0.5
Norfentanyl		250
Sertraline	Zoioft	1,000

Negative Compounds	Trade Name	Concentration (ng/mL)
10,11-Dihydro-		50,000
carbamazepine		30,000
1,3-Dimethylbarbituric acid		500,000
4-OH-PCP HCI		500,000
5,5-Diphenylhydantoin (Phenytoin)	Dilantin	500,000
5-Hydroxyindole-2- carboxytic acid		500,000
5-Hydroxyindole-3-acetic acid		500,000
5-Hydroxytryptamine erotonin)		1,000,000
-Monoacetyl morphine		100,000
10,11- Dihydrocarbamazepine		500,000
11-nor-D9-THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetanilide		500,000
Acetazolamide	Diamox, Acetazolam	500,000
N-Acetyl-I-cysteine	Mucomyst, Mucosil, Parvolex	500,000
N-Acetylprocainamide		500,000
Acetophenetidine		500,000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	500,000
Albuterol	Proventil, Salbutamol, Ventolin	500,000
Allobarbital	Asmac, Cibalgine, Diadol, Dially Barbituric Acid, Dial, Malilum, Sornnocodal	100,000
Allopurinol	Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol	500,000
Alphaprodine HCI		100,000
Alphenal	Alphenate, Allofenyl, Efrodal, Fenallymal	100,000
Alprazolam	Tafil, Valeans, Xanax, Xandor	250,000
a-OH-Alprazolam		10,000
Alprenolol HCI		500,000
Amantadine HCI	Symadine, Symmentrel	500,000
p-Aminobenzoic acid (PABA)		500,000
minoglutethimide	Cytadren, Orimeten	500,000

Negative Compounds	Trade	Concentration
Compounds	Name	(ng/mL) 500,000
I-Aminopyrine		500,000
Ammonium chloride	A	100,000
Amobarbital	Amytal	
Amoxapine	Asendin	500,000
Amoxicitlin	Amoxil, Polymor, Trimox, Wymox	100,000
Amphetamine		500,000
Ampicillin Na≁salt	Omnipen, Principen, Marcillin, Totacillin	500,000
Ampicillin anhydrous		500,000
Aniline HCl		500,000
Aprobarbital	Alurate	100,000
I-Ascorbic acid	Ascorbicap, Cepid, Cecon, Cevalin, Flavorcee, Nice, Vita-C	500,000
Aspartame	Equal, Nutrasweet	500,000
Astemizole	Hismanal	500,000
Atenolol	Tenormin	500,000
Atropine SO ₄ monohydrate	Atropen, Attropisol, Atrosulf, Saltropine	500,000
Barbital	Deba	100,000
Barbituric Acid		500,000
Beclomethasone		· · · · · · · · · · · · · · · · · · ·
dipropionate	Beclovent	100,000
Bernegride		500,000
Benactyzine		500,000
	Anbesol, Americaine, Otic.	
Benzocaine	Hurricaine, Orajel, Zilactin	500,000
Benzoic acid	Atrosept, Dolsed, Prosed, UAA, Uridon, Urised, Uritab, Uritin	500,000
Benzonatate	Tessalon	500,000
Benzophenone		500,000
Benzotropine mesytate	Cogentin	500,000
Benzoylecgonine		500,000
Benzylamine HCI		500,000
Bethanechol chloride	Duvoid, Urabeth	500,000
Bromazepam	Lectopam	100,000
Bromocriptine mesylate	Ergoset, Parlodel	500,000
Brompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	500,000
Qunivacaine	Marcaine, Sensorcaine	500,000
Bupivacaine Buproperabine		100,000
Buprenorphine	Buprenex	500,000
Buspirone HCI	Buspar Butical Buticans Busedium	100,000
Butabarbital Butalbital	Butisol, Buticaps, Busodium Butalgen, Fiorgen, Fiorinal, Fiormor, Isobutyl, Isolin,	100,000
	Isoffyl, Laninoif	
Butethal	Etoval	100,000
Butyrophenone		500,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	500,000
Calcium hypochlorite	· · · · · · · · · · · · · · · · · · ·	500,000
	Capoten	500,000
Captopril		500 000
Captopril Carbamazepine	Atretol, Carbatrel, Tegretol	500,000 500,000
Captopril	Atretol, Carbatrel, Tegretol Rela, Sodol, Soma,	500,000 500,000 500,000
Captopril Carbamazepine Carbromal	Atretol, Carbatrel, Tegretol	500,000



CEDIA® LSD 0.5 ng/mL cutoff

Trade	Concentration
Name	(ng/mL)
Cefanex, Keflex	500,000
	500,000
Velodef, Anspor	500,000
Chloroptic, Chloromycetin, Ocu-Chlor	500,000
Libritabs, Librium, Sereen	100,000
Aralen	500,000
Diuril	500,000
Tace	100,000
Aller-Chlor, Chlor-Trimeton, Edifac 24, Chlorphenamine	500,000
Thorazine	500,000
Diabinese, Glucamide	500,000
Taractan	500,000
Paraflex, Parafon Forte DSC	500,000
	500,000
Tagamet	500,000
	500,000
Cipnol	500,000
	500,000
Cleocin	500,000
Anafranil	500,000
Klonopin	100,000
	500,000
	500,000
Cloxapen, Dynapen,	500,000
	100,000
	500,000
	500,000
A-HydroCort, Hydrocortone Acetate, Solu-Cortef, Hydrocortisone	500,000
Cortone	500,000
	500,000
	500.000
	500,000
	500,000
	500,000 500,000 500,000
Cycloflex, Flexeril	500,000 500,000 500,000 250,000
Cycloffex, Flexeril	500,000 500,000 500,000
	500,000 500,000 500,000 250,000
Cytoxan, Neosar	500,000 500,000 500,000 250,000 500,000 100,000 500,000
	500,000 500,000 500,000 250,000 500,000 100,000 500,000 500,000
Cytoxan, Neosar	500,000 500,000 500,000 250,000 500,000 100,000 500,000 500,000 500,000
Cytoxan, Neosar	500,000 500,000 500,000 250,000 500,000 100,000 500,000 500,000 500,000 500,000
Cytoxan, Neosar	500,000 500,000 500,000 250,000 500,000 100,000 500,000 500,000 500,000 500,000
Cytoxan, Neosar Periactin	500,000 500,000 500,000 250,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000
Cytoxan, Neosar	500,000 500,000 500,000 250,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000
Cytoxan, Neosar Periactin Norpramin, Petrofrane	500,000 500,000 500,000 250,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000
Cytoxan, Neosar Periactin Norpramin, Petrofrane Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell,	500,000 500,000 500,000 250,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000
Cytoxan, Neosar Periactin Norpramin, Petrofrane Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	500,000 500,000 500,000 250,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000
Cytoxan, Neosar Periactin Norpramin, Petrofrane Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets Heroin Valium, Valrelease,	500,000 500,000 500,000 250,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 1,000,000
Cytoxan, Neosar Periactin Norpramin, Petrofrane Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets Heroin	500,000 500,000 500,000 250,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 1,000,000
	Name Cefanex, Keflex Velodef, Anspor Chloroptic, Chloromycetin, Ocu-Chlor Libritabs, Librium, Sereen Aralen Diuril Tace Aller-Chlor, Chlor-Trimeton, Edifac 24, Chlorphenamine Thorazine Diabinese, Glucamide Taractan Paraflex, Parafon Forte DSC Tagamet Cinobac Cipnol Cleocin Anafranil Klonopin Catapres Mycelex Cloxapen, Dynapen, Pathocil, Tegopen, A-HydroCort, Hydrocortone Acetate, Solu-Cortef, Hydrocortisone

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
	Antipas, Bentyl	(3)
Dicylomine HCl	Hydrochloride, Dibent,	500,000
	Dilomine	
Diethylsuccinate		500,000
Diflunisal	Dolobid	500,000
Digoxin	Lanoxin	100,000
Dihydrocodeine	DHC Plus, Synalgos-DC	100,000
Dihydroergotamine	D.H.E. 45 Injection,	125,000
	Migranal Nasal Spray	
Diltiazem HCI	Cardizem, Dilacor, Dilitazem, Tiazac	500,000
	Banophen, Benadryl,	
Diphenhydramine HCI	Diphedryl, Simply Sleep	500,000
Diphenoxylate HCI	Lomotil	100,000
Dipyridamole	Persantine, Permole	100,000
Disulfiram	Antabuse	500,000
I-Dopa	Dopar, Larodopa	500,000
Dopamine HCl (3-OH-		
tyramine)	Dopastat, Intropin	500,000
Doxepin HCl	Adapin, Sinequan	500,000
Dronabinol (D9-THC)	Marinol	100,000
Ecgonine		100,000
Ecgonine methyl ester		100,000
EMDP (Secondary		
Methadone Metabolite)		500,000
Enalapril maleate	Vasotec	500,000
Ephedrine	Kondon's Nasal, Pretz-D	500,000
l-Ephedrine		100,000
	Adrenalin, AsthmaHaler,	
I-Epinephrine	Bronitin, Epifrin, Primatene,	100,000
	Vaponefrin	
a-Ergocryptine		500,000
Ergonovine		10,000
Fig. 1	Cafatine-PB, Cafergot,	400.000
Ergotamine	Cafetrate, Ercaf, Ergomar,	100,000
	Phenerbel-S, Wigraine	
1-Erythromycin	AK-Mycin, E-Mycin, Eryc, Ery-Tags, flosone,	500.000
1-Eryunoniyani	Wyamycin	500,000
	Alora, Climara,	
	Delestrogen, DepGynogen,	
	Depo-Estradiol, Depogen,	
	E-Cypionae, Esclim, Estinyl,	
	Estrace, Estraderm,	
h Estradial /E 2)	Estragyn LA 5, Estring,	500,000
b-Estradiol (E-2)	EstroCyp, Estro-L.A.,	500,000
	FemPatch, Gynodiol,	
	Gynodial, Gynogen L.A.,	
	Innofem, Menaval, Noven,	
	Vagifem, Valergen, Vivelle,	
Estrict (C 2)	Vievelle-Dot	100.000
Estriol (E-3)	Estroque Estratat	100,000
Estrone-3-Sulfate, Na* (E-1)	Estragyn, Estratab, Kestrone, Menest, Ogen,	ደብብ ብብብ
Locione-o-conate, Na (E-1)	Ortho-Est	500,000
Ethambutol 2HCI	Myambutol	500,000
Ethamiyan	ing altioutor	500,000
Ethinamate		100,000
Ethinyl Estradiol	Estinyl	100,000
Famotidine	Pepcid, Pepcid AC	500,000
Fenfluramine HCI	Pondimin	80,000
Fenoprofen Na*	Nalfon	500,000
. Shoprotott Ha		555,000

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CEDIA® LSD 0.5 ng/mL cutoff

Negative	Trade	Concentration
Compounds	Name	(ag/mL)
Fentanyl citrate	Actiq, Duragesic, Sublimaze	40
Flufenamic acid		500,000
Flunitrazepam	Rohypnol	100,000
Fluoxetine HCI	Prozac, Sarafem	400,000
Fluphenazine HCl	Prolixin	40,000
Flurazepam	Dalmane, Durapam	100,000
Flurbiprofen	Ansaid	500,000
Furosemide	Lasix	500,000
Gentamicin	Garamycin	500,000
Gentisic acid		500,000
Glutethimide		100,000
Glyburide	Diabeta, Glybenclamide, Micronase	500,000
Glycobenclamide		500,000
Glycopyrrolate	Robinul	500,000
Griseofulvin	Fulvicin, Grifulvin, Grisactin, Gris-PEG	100,000
Guaiacol glycerol ether (Guaifenesin)	Actifed, Drixoral, Robitussin, Hytuss	500,000
Guanethidine SO₄	Ismelin	500,000
Halazepam	Paxipam	100,000
Haloperidol	Haldol, Peridol	500,000
Heroin HCI		10,000
Hexobarbital		100,000
Hippuric Acid		500,000
Hydralazine	Apresoline	500,000
drochlorothiazide	Esidrix, Hydro-DIURIL, Hydro-D, Oretic	500,000
Hydrocodone bitartrate	Lortab, Vicodin	100,000
Hydromorphone HCl	Dilaudi d	100,000
p-Hydroxyephedrine		500,000
p-Hydroxyphenobarbital H₂O		500,000
Hydroxyzine 2HCl	Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50	500,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	500,000
Iminostilbene		500,000
Imipramine	Tofranil	100,000
Indapamide	Lozol	500,000
Indole-2-carboxylic acid		500,000
Indole-3-acetic acid	Heteroauxin, Rhizopin	500,000
Indole-3-butyric acid	Hormodin, Seradix	500,000
Indomethacin	Novomethacin, Indocin	500,000
Insulin chain b, oxidized	Humalog, Humuline, lletin, Lantus, Novolin, NovoRapid, NovoLog, Oralin, Velosulin	500,000
Ipratropium Br	Attrovent	500,000
Iproniazid PO ₄ salt		500,000
Isoetharine mesylate	Bronkomrter, Bronkosol, Dey-Dose, Dey-Lute, Isoetharine	500,000
Isoniazid	Laniazid, Tubizid, INH	500,000
Isoproterenol HCI	Isuprel	500,000
Isoxsuprine HCI	Vasodilan, Voxsuprine	500,000
Kanamycin SO ₄	Kantrex	500,000
Ketamine HCl	Ketalar	500,000
Ketoprofen	Orudis, Oruvail	500,000
-abetalol	Normodyne, Trandate	500,000
LAMPA	. zamiodyna, mandato	4

	Name	Concentration (ng/mL)
Compounds Levorphanol tartrate	Levo-Dromoran	100,000
Levothyroxine (T ₄)	Synthroid	50,000
Lidocaine	Xylocaine	500,000
Lithium carbonate	7970001110	500,000
Loperamide	Imodium	200,000
Lorazepam	Ativan	100,000
Lormetazepam		100,000
Loxapine succinate	Loxitane	500,000
lso-LSD		2,500
Lysergic acid		100,000
Lysergol		<u>5</u> ,000
Maprotiline HCI	Ludiomil	500,000
Mebendazole	Mebendacin, Mebutar, Nemasole, Vermox	100,000
Medazepam	Nobrium	100,000
Medroxyprogesterone	Amen, Curretab, Cycrin,	500,000
acetate	Depo-Provera, Provera	
Mefenamic acid	Ponstel, Ponstan	500,000
Melphalan	Alkeran	500,000
Meperidine	Demerol	100,000
Mephentermine hemisulfate	Wyamine	500,000
Mephenytoin	Mesamtoin	500,000
Mephobarbital	Mebaral	100,000
Mepivacaine HCI	Carbocaine, Isocaine, Polocaine	500,000
Mescaline	Peyote	500,000
Mesoridazine	Serentil	500,000
Metanephrine HCI		500,000
Metaproterenol hemisulfate salt	Alupent, Metaprel	500,000
Metaraminol bitartrate	Aramine	500,000
Methadone HCI	Dolophine	100,000
Methamphetamine	Desoxyn	200,000
I-Methamphetamine		100,000
Methapyriline HCI		100,000
Methaqualone HCl	Normi-Nox, Pallidan, Somnomed, Quaalude	100,000
Metharbital	Gemonil	100,000
Methenamine mandelate	Hiprex, Mandameth, Mandelamine, Urex	500,000
Methocarbamol	Robamol, Delaxin	500,000
Methohexital	Brevital Sodium	100,000
Methotrimeprazine maleate	Levoprone	500,000
Methoxamine HCI	Vasoxyl	500,000
Methoxyphenamine HCI		10,000
Methsuximide	Celoritin	500,000
a-Methyl-L-dopa	Aldomet	500,000
Methylphenidate	Ritalin	100,000
Methyprylon	Noludar	100,000
Methysergide maleate		50,000
Metoclopramide	Reglan, Octamide	500,000
Metoprolol tartrate	Lopressor	500,000
Metronidazole	Flagyl, Metizol, Protostat	500,000
Mianserin	Bolvidon, Lumin, Tolvon	500,000
Miconazole NO₄	Monistat	500,000
Midazolam	Versed	500,000
Monoethylglycinexylidide HCI (MEGX)		500,000
Marphine SO ₄	MS Contin, MSIR, Oramorph SR, Roxanol	100,000



CEDIA® LSD 0.5 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Morphine-3-b D- Glucuronide	· · · · · ·	100,000
Nadolol	Corgard	500,000
Nafcillin, Na+salt	Unipen	500,000
Nalidixic acid, Na+salt	Neggram	500,000
Nalorphine HCI	1143314111	100,000
Naloxone HCl	Narcan	500,000
Naltrexone HCI	Depade, ReVia	500,000
Naphazoline HCI	AK-Con, Albalon, Clear Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu-Zoline, Opcon, VasoClear	500,000
Naproxen Na+	Aleve, Anaprox, Naprosyn	500,000
Nelopam HCI		500,000
Neomycin SO ₄	Mycifradin Sulfate, NeopFradin, Neo-Tabs, Myciguent	500,000
Niacinamide (Nicotinamide)		500,000
Nialamide		500,000
Nicotine	Habitrol, Nicoderm, Nicorette, Nicotrol, ProStep	100,000
Nicotinic acid (Niacin)		500,000
Nifedipine	Procardia	500,000
Nitrazepam		100,000
Nitrofurantion	Macrobid	500,000
p-Nitrophenol		500,000
Norchlordiazepoxide		100,000
Norcodeine HCI		100,000
Nordiazepam (Desmethyldiazepam)		100,000
Nordouripramine		500,000
Nordoxepin HCI		500,000
1-Norepinephrine HCI	Levophed	500,000
Norethindrone	Aygestom, Micronor, Norlutin	500,000
Norfloxacin	Noroxin	500,000
Normorphine H ₂ O		100,000
Normorphone		100,000
Norpropoxyphene		500,000
Nortriptyline HCI	Aventyl, Pamelor	500,000
Noscapine HCI		500,000
Nylidrin HCI		500,000
Octopamine HCI		500,000
Ofloxacin	Floxin	500,000
Orotic Acid		500,000
Orphenadrine HCI	Flexoject, Myophen, Norflex	50,000
Oxazepam	Serax	100,000
Oxycodone HCI	OxyContin	100,000
Oxymetazoline HCl	Dristan, Sinarest	500,000
Oxymorphone	Numorphan	100,000
Oxyphenbutazone H ₂ O		500,000
Pargyline	Eutron	500,000
Penicillin G	Pfizerpen	500,000
Penicillin V potassium	PenVee K, Robicillin VK, Veetids, V-Cillin K	500,000
Pentazocine HCl	Talwin	100,000
Pentobarbital	Nembutal	100,000

Compounds	Negative	Trade	Concentration
Perphenazine			
Phenazopyridine HCl	Pentoxifylline		
Phenazopyridine HCl	Perphenazine	Trilation	200,000
Phencyclidine (PCP)	Phenacetin		500,000
Phendimetrazine bitartrate Bontril, Plegine 100,000 Phenelzine SQ4 Nardil, Parnate, Marplan 500,000 Pheneltylamine HCI 500,000 Pheniamine maleate Trimeton 500,000 Phenobaritial Luminal 500,000 Phenobaritial Luminal 500,000 Phenoxazine 100,000 Phenoxazine 500,000 Phensukmide Mitontin 500,000 Phensukmide Mitontin 500,000 Adipex, Fastin, Ionamin, Obernine, Ober	Phenazopyridine HCI		500,000
Phenelzine SQ4	Phencyclidine (PCP)		500,000
Pheneltylamine HCl		Bontril, Plegine	··
b-Phenethylamine HCI 500,000 Phenformin 500,000 Pheniramine maleate Trimeton 500,000 Phenobarbital Luminal 500,000 Phenoxazine 500,000 100,000 Phenoxazine Milontin 500,000 Phensuximide Milontin 500,000 Adipex, Fastin, Ionamin, Oberix, Oberhen, Obermine, Ob	Phenelzine SO ₄		500,000
Pheniramine maleate Trimeton 500,000 Prenobarbital Luminal 500,000 Phenothazine 100,000 Phenoxazine 500,000 Phensuximide Milontin 500,000 Adipex, Fastin, Ionamin, Obenix, Oberhen, Obermine, Obermin			500,000
Phenobarbital Luminal 500,000 Phenothiazine 100,000 Phenoxazine 500,000 Phenoxazine 500,000 Phenoxazine Adipex, Fastin, Ionamin, Obernine, Obern	Phenformin		500,000
Phenothiazine	Pheniramine maleate	Trimeton	500,000
Phenoxazine	Phenobarbital	Luminal	500,000
Phensuximide	Phenothiazine		100,000
Phensuximide	Phenoxazine		
Phentermine	Phensuximide	Milontin	500,000
Premierring		Adipex, Fastin, Ionamin,	
Phenylcyclohexylamine 500,000 m-Phenylpropanolamine Acutrim, Dexatrim, Dura- Vent 500,000 Phenylpropanolamine Yent 500,000 Phenyltoloxamine citrate salt Poly-Histine-D 200,000 Phithalic acid 500,000 500,000 Picrotoxin 500,000 500,000 Pipernidic Acid 500,000 500,000 Pipernidic Acid Feldene 500,000 Pipernidic Acid Kay Ciel, Micro-K, Kaochlor, Kr. Chur, K-Lor, Kaochlor, K-Dur, K-Lor, Kaochlor, Kr. Dur, K-Lor, Kaochlor, 500,000 Potassium lodide Pima, SSKI 500,000 Prazepam Centrax 100,000 Prazepam Centrax 100,000 Prazepam Centrax 100,000 Prednisone Hydeltrasol (Injection) 500,000 Prednisone Hydeltrasol (Injection) 500,000 Pregnenolone 500,000 Pregnenolone 500,000 Primidone Mysoline 500,000 Primidone Mysoline <	Phentermine	Obermine, Obermine,	100,000
m-Phenylpropanolamine Acutrim, Dexatrim, Dura- yent 500,000 Phenylpropanolamine Yent 500,000 Phenyltoloxamine citrate salt Poly-Histine-D 200,000 Phthalic acid 500,000 500,000 Picrotoxin 500,000 500,000 Pipemidic Acid 500,000 500,000 Pipemidic Acid Feldene 500,000 Piroxicam Feldene 500,000 Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Lor, Kaon-CL, Slow-K, K-Norm, Ten-K 500,000 Potassium Iodide Pima, SSKI 500,000 Prazepam Centrax 100,000 Prazepam Centrax 100,000 Prazepam Centrax 100,000 Prednisolone Hydeltrasol (Injection) 500,000 Prednisolone Hydeltrasol (Injection) 500,000 Prednisone Orasone, Stempred 100,000 Prednisone Orasone, Stempred 100,000 Prednisone Stempred 500,000 Primatine HCi Citanest 10,000 Prim	Phenylbutazone	Azorld, Butazolidin	100,000
m-Phenylpropanolamine Acutrim, Dexatrim, Dura- yent 500,000 Phenylpropanolamine Yent 500,000 Phenyltoloxamine citrate salt Poly-Histine-D 200,000 Phthalic acid 500,000 500,000 Picrotoxin 500,000 500,000 Pipemidic Acid 500,000 500,000 Pipemidic Acid Feldene 500,000 Piroxicam Feldene 500,000 Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Lor, Kaon-CL, Slow-K, K-Norm, Ten-K 500,000 Potassium Iodide Pima, SSKI 500,000 Prazepam Centrax 100,000 Prazepam Centrax 100,000 Prazepam Centrax 100,000 Prednisolone Hydeltrasol (Injection) 500,000 Prednisolone Hydeltrasol (Injection) 500,000 Prednisone Orasone, Stempred 100,000 Prednisone Orasone, Stempred 100,000 Prednisone Stempred 500,000 Primatine HCi Citanest 10,000 Prim	Phenylcyclohexylamine		500,000
Phenylpropanolamine Acutrim, Dexatrim, Dura-Vent 500,000 Phenyltoloxamine citrate salt Poly-Histine-D 200,000 Phthalic acid 500,000 500,000 Picrotoxin 500,000 500,000 Pipemidic Acid 500,000 500,000 Proxicam Feldene 500,000 Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Lor, Kaon-CL, 500,000 Potassium chloride K-Piri, K-Lor, Kaon-CL, 500,000 Slow-K, K-Norm, Ten-K 500,000 Potassium lodide Pima, SSKI 500,000 Prazosium lodide Pima, SSKI 500,000 Prazosim HCI Minipress 100,000 Prazosin HCI Minipress 100,000 Prednisolone Hydeltrasol (Injection) 500,000 Pregnenolone 500,000 500,000 Pregnenolone 500,000 100,000 Primidone Mysoline 500,000 Primidone Mysoline 500,000 Procaine HCI Promestyl-SR, Procamide SR, Procamide SR, Procamide SR, Procamide SR, Procamide SR, Procamide S			
Poly-Rissine-D 200,000			
Picrotoxin 500,000			200,000
Picrotoxin S00,000	Phthalic acid		500.000
Pipemidic Acid Feldene 500,000			
Proxicam	Pipemidic Acid		
Name		Feldene	
Potassium lodide Pima, SSKI 500,000 Prazepam Centrax 100,000 Prazosin HCI Minipress 100,000 Prednisolone Hydeltrasol (Injection) 500,000 Prednisone Deltasone, Meticorten, Orasone, Stempred 100,000 Pregnenolone 500,000 Pregnenolone 500,000 Prilocaine HCI Citanest 10,000 Primidone Mysoline 500,000 Probenecid Benemid, Benuryl, Probalan 500,000 Procainamide HCI Promine, Procamide SR, Procaine HCI Promestyl-SR, Procambid Procyclidine HCI Kemadrin 500,000 Progesterone Crinone, Ovrette, Micronor. 500,000 Promazine Primazine, Protine-50, 500,000 Promethazine HCI Phenergan 500,000 Propoyophene 100,000 Propranolol Betachron, Inderal 500,000 Propriphyline HCI Vivactil 500,000 Psilocybin 10,000 I-Pseudoephedrine HCI	Potassium chloride	K-Dur, K-Lor, Kaon-CL,	
Prazepam Centrax 100,000 Prazosin HCI Minipress 100,000 Prednisolone Hydeltrasol (Injection) 500,000 Prednisone Deltasone, Meticorten, Orasone, Stempred 100,000 Pregnenolone 500,000 Prignenolone 500,000 Prilocaine HCI Citanest 10,000 Primitidone Mysoline 500,000 Probenecid Benemid, Benuryl, Probalan 500,000 Procainamide HCI Promine, Procamide SR, Procaine HCI Novocain 500,000 Procyclidine HCI Kemadrin 500,000 Progesterone Crinone, Ovrette, Micronor. 500,000 Promazine Primazine, Protine-50, 500,000 Promethazine HCI Phenergan 500,000 Propoyyhene 100,000 Propranolol Betachron, Inderal 500,000 Propriphyline HCI Vivactil 500,000 Psilocybin 10,000 I-Pseudoephedrine HCI 500,000	Potassium lodide		500,000
Prazosin HCI Minipress 100,000 Prednisolone Hydeltrasol (Injection) 500,000 Prednisone Deltasone, Meticorten, Orasone, Stempred 100,000 Primitone 500,000 500,000 Primitone Mysoline 500,000 Probenecid Benemid, Benuryl, Probalan 500,000 Procainamide HCI Promine, Pronestyl, Promestyl, Pronestyl-SR, Procamide SR, P			
Prednisolone Hydeltrasol (Injection) 500,000 Prednisone Deltasone, Meticorten, Orasone, Stempred 100,000 Pregnenolone 500,000 Prilocaine HCI Citanest 10,000 Primidone Mysoline 500,000 Probenecid Benemid, Benuryl, Probalan 500,000 Procan SR, Procamide SR, Procanide SR, Procanide SR, Promestyl-SR, Procanbid 500,000 Procaine HCI Novocain 500,000 Procyclidine HCI Kemadrin 500,000 Progesterone Crinone, Ovrette, Micronor, Nor-QD 500,000 Promazine Primazine, Protine-50, Sparine 500,000 Propiomazine maleate Largon 250,000 Propoxyphene 100,000 Propripolol Betachron, Inderal 500,000 Propriptyline HCI Vivactil 500,000 Psilocybin 10,000 I-Pseudoephedrine HCI 500,000			
Prednisone Deltasone, Meticorten, Orasone, Stempred 100,000 Pregnenolone 500,000 Prilocaine HCI Citanest 10,000 Primidone Mysoline 500,000 Probenecid Benemid, Benuryl, Probalan 500,000 Procan SR, Procamide SR, Promine, Pronestyl, Pronestyl, Pronestyl, Pronestyl-SR, Procanbid 500,000 Procaine HCI Novocain 500,000 Procyclidine HCI Kemadrin 500,000 Progesterone Crinone, Ovrette, Micronor, Nor-QD 500,000 Promazine Primazine, Protine-50, Sparine 500,000 Proprimazine maleate Largon 250,000 Propoxyphene 100,000 Propripolol Betachron, Inderal 500,000 Propripotyphenzene 500,000 Protriptyline HCI Vivactil 500,000 Psilocybin 10,000 Psilocybin 10,000 I-Pseudoephedrine HCI 500,000			
Pregnenolone 500,000 Prilocaine HCl Citanest 10,000 Primidone Mysoline 500,000 Probenedd Benemid, Benuryl, Probalan 500,000 Procain SR, Procamide SR, Promine, Pronestyl, Sou,000 500,000 Procaine HCl Novocain 500,000 Procyclidine HCl Kemadrin 500,000 Progesterone Crinone, Ovrette, Micronor, Nor-QD 500,000 Promazine Primazine, Protine-50, Sparine 500,000 Proprimazine melaete Largon 250,000 Propranolol Betachron, Inderal 500,000 Propylbenzene 500,000 Protriptyline HCl Vivactil 500,000 Psilocybin 10,000 Pseudoephedrine HCl 500,000		Deltasone, Meticorten,	
Prilocaine HCł Citanest 10,000 Primidone Mysoline 500,000 Probenecid Benemid, Benuryl, Probalan 500,000 Procan SR, Procamide SR, Promacy Pronestyl, 500,000 Procainamide HCl Promestyl-SR, Procambid 500,000 Procaine HCl Novocain 500,000 Procyclidine HCl Kemadrin 500,000 Progesterone Crinone, Ovrette, Micronor. 500,000 Promazine Primazine, Protine-50, Sparine 500,000 Promethazine HCl Phenergan 500,000 Propoxyphene 100,000 Propranolol Betachron, Inderal 500,000 Protriptyline HCl Vivactil 500,000 Psilocybin 10,000 I-Pseudoephedrine HCl 500,000	Pregnenolone		500,000
Primitione Mysoline 500,000 Probenecid Benemid, Benuryl, Probalan 500,000 Procan SR, Procamide SR, Procamide SR, Promine, Pronestyl, Pronestyl-SR, Procarbid 500,000 Procaine HCl Novocain 500,000 Procyclidine HCl Kemadrin 500,000 Progesterone Crinone, Ovrette, Micronor. Nor-QD 500,000 Promazine Primazine, Protine-50, Sparine 500,000 Propiomazine HCl Phenergan 500,000 Propiomazine maleate Largon 250,000 Propranolol Betachron, Inderal 500,000 Propriphenzene 500,000 Protriptyline HCl Vivactil 500,000 Psilocybin 10,000 I-Pseudoephedrine HCl 500,000		Citanest	
Probenecid Benemid, Benuryl, Probalan 500,000 Procain SR, Procamide SR, Procaine SR, Procaine SR, Procaine SR, Procaine SR, Procaine SR, Procaine SY, Promestyl-SR, Procaine SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Prometic SY, Propoxyphene SY, Propoxyphene SY, Propoxyphene SY, Propoxyphene SY, Prometic SY, Prome			
Procainamide HCl	Probenecid		
Procaine HCI Novocain 500,000 Procyclidine HCI Kemadrin 500,000 Progesterone Crinone, Ovrette, Micronor. Nor-QD 500,000 Promazine Primazine, Protine-50, Sparine 500,000 Promethazine HCI Phenergan 500,000 Propiomazine maleate Largon 250,000 Propranolol Betachron, Inderal 500,000 Proprylbenzene 500,000 Protriptyline HCI Vivactil 500,000 Psilocybin 10,000 Pseudoephedrine HCI 500,000		Procan SR, Procamide SR, Promine, Pronestyl,	
Procyclidine HCI Kemadrin 500,000 Progesterone Crinone, Ovrette, Micronor. Nor-QD 500,000 Promazine Primazine, Protine-50, Sparine 500,000 Promethazine HCI Phenergan 500,000 Propiomazine maleate Largon 250,000 Propoxyphene 100,000 Propranolol Betachron, Inderal 500,000 Propriptyline HCI Vivactil 500,000 Psilocybin 10,000 Psilocyn 10,000 I-Pseudoephedrine HCI 500,000	Procaine HCI		500,000
Progesterone Crinone, Ovrette, Micronor. Nor-QD 500,000 Promazine Primazine, Protine-50, Sparine 500,000 Promethazine HCI Phenergan 500,000 Propiomazine maleate Largon 250,000 Propoxyphene 100,000 Propranolol Betachron, Inderal 500,000 Propriptylienzene 500,000 Protriptyline HCI Vivactil 500,000 Psilocybin 10,000 Psilocyn 10,000 I-Pseudoephedrine HCI 500,000			
Promethazine Sparine Su0,000		Crinone, Ovrette, Micronor.	
Promethazine HCI Phenergan 500,000 Propiomazine maleate Largon 250,000 Propoxyphene 100,000 Propranolol Betachron, Inderal 500,000 Propylbenzene 500,000 Protriptyline HCI Vivactil 500,000 Psilocybin 10,000 Psilocyn 10,000 I-Pseudoephedrine HCI 500,000	Promazine	Primazine, Protine-50,	500,000
Propiomazine maleate Largon 250,000 Propoxyphene 100,000 Propranolol Betachron, Inderal 500,000 Propylbenzene 500,000 Protriptyline HCl Vivactil 500,000 Psilocybin 10,000 Psilocyn 10,000 I-Pseudoephedrine HCl 500,000	Promethazine HCI		500,000
Propoxyphene 100,000 Propranolol Betachron, Inderal 500,000 Propylbenzene 500,000 Protriptyline HCl Vivactil 500,000 Psilocybin 10,000 Psilocyn 10,000 I-Pseudoephedrine HCl 500,000			
Propranolol Betachron, Inderal 500,000 Propylbenzene 500,000 Protriptyline HCl Vivactil 500,000 Psilocybin 10,000 Psilocyn 10,000 I-Pseudoephedrine HCl 500,000			
Propylbenzene 500,000 Protriptyline HCl Vivactil 500,000 Psilocybin 10,000 Psilocyn 10,000 I-Pseudoephedrine HCl 500,000		Betachron, Inderal	
Protriptyline HCI Vivactil 500,000 Psilocybin 10,000 Psilocyn 10,000 I-Pseudoephedrine HCI 500,000			
Psilocybin 10,000 Psilocyn 10,000 I-Pseudoephedrine HCl 500,000		Vivactil	
Psilocyn 10,000 I-Pseudoephedrine HCl 500,000			
I-Pseudoephedrine HCI 500,000			



CEDIA® LSD 0.5 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
^o yridoxine (Vitamin B ₆)	Nestrex	500,000
Pyrilamine maleate salt		250,000
Quinacrine 2HCl	Atabrine	500,000
	Cardioquin, Cin-Quin, Duraquin, Novoquinidin,	
Quinidine	Quinaglute Dura-Tabs, Quinalan, Quinatime, Quinidex Extentabs, Quinora, Quin-Release	500,000
Quinine HCI	Quinamm, Quindan, Quiphile, Q-Vel, Strema	500,000
Ranitidine HCI	Zantac	500,000
Rescinnamine	Moderil	100,000
Reserpine	Novoresperine, Resertia, Serpalan, Serparil	100,000
Retinoic acid		100,000
Ritodrine HCI	Yutopar	500,000
Rivastigmine tartrate	Exelon	500,000
Salicylic acid	Disalcid, Mono-Gesic, Salflex, Salgesic, Salsitab	100,000
Salicyluric acid	<u> </u>	500,000
Scopolamine HBr H ₂ O	Transderm-Scop	500,000
Secobarbital	Seconal	500,000
Serotonin		1,000,000
Strychnine		100,000
Sulfamethazine Na*		500,000
Ifamethoxazole	Bactrim, Cotrim, Septra, Sulfamethoprim, Sulfatrim, Uroplus	500,000
Sulfathiazole Na+ salt	Sulfa-Gyn, Sulnac, Sultrin, Trysul, V.V.S.	500,000
Sulfisoxazole	Gantrisin	500,000
Sulindac	Clinoril	500,000
Talbutal		100,000
Temazepam	Restoril, Razepam, Temaz	100,000
Terbinafine	Lamisil	15,625
Terbutaline 1/2 SO ₄	Brethaine, Brethine, Bricanyl	500,000
Terfenadine	Seldane	500,000
Tetracaine HCI	Ak-T-Caine, CepacolViractin, Pontocaine, Opticaine	500,000
Tetracycline	Achromycin V, Parimycin, Sumycin, Tettracyn, Robitet	500,000
Tetrahydrocortisone		500,000
Tetrahydrozoline HCl	Tyzine, Visine	500,000
Thanzylamine HC1		200,000
Tneaphylline	Aerolate, Asmalix, Elixophyllin, Quinbron, Respbid, Slo-Phyllin, Slo- bid, Theo-24, Theo-Dur, Theolair	500,000
Thiamine HCl	Betalins, Biamine	500,000
Thioridazine HCl	Mellaril	500,000
Thiothixene	Navane	500,000
Timolol maleate	Betimol, Blocadren, Timoptic	500,000
Tolbutamide	Orinase	500,000
Tolmetin	Tolectin	500,000
m-Toluic acid		500,000
n-Toluic acid		500,000
madol	Ultram	500,000

	O	
Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Tranylcypromine HCl	Parnate	500,000
Trazodone HCI	Desyrei	500,000
	Aristocort, Aristospan,	
Triamcinolone	Azmacort, Kenalog,	500,000
	Nasacort	
Triamterene	Dyrenium	100,000
Triazolam	Haloion	100,000
Tribenzylamine		500,000
Trifluoperazine HCI	Stelazine, Suprazine	500,000
Triflupromazine HCI	Vesprin	100,000
Trimethobenzamide HCl	Arrestin, T-Gen, Tebamide, Tigan, Trimazide	62,500
Trimethoprim	Proloprim, Trimpex	500,000
Trimipramine maleate	Surmontil	500,000
Tripelennamine HCI	PBZ, PBZ-SR	50,000
Triprolidine HCl	Actagen-C, Allerfrin w/Codenine, Aprodine w/Codenine, Triacin-C, Trifed-C	250,000
Tropic Acid		500,000
Tropine		500.000
Tryptamine HCI		500.000
Tryptophan		100,000
Tyramine		500,000
Tyrosine		500,000
Urea	Aquacare, Carmel, Grodon's Urea, Ureaphil	500,000
Uric Acid		500,000
Venlafaxine	Effexor	1,000,000
Verapamil	Isoptin, Verelan	500,000
Warfarin	Cournadin	500,000
Zolpidem hemitartrate	Ambien	500,000
Zomepirac Na+salt		500,000
Zoplicone	Imovane	400,000
		,

madol

500,000

Ultram



CEDIA® Methadone 300 ng/mL cutoff

Positive Compounds	Trade Name	Concentration (ng/mL)
a-Methadol		11,300
Disopyradime	Norpace, Rythmodan	7,813
LAAM		20,300
Methadol		20,000
Methadone	Dolophine	300
Tapentedol	Nuoynta	62,500

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
1,3-Dimethylbarbituric acid		500,000
10,11-		500,000
Dihydrocarbamazepine		
1-Phenylcyclohexylamine		500,000
4-OH-PCP HCI		500,000
5,5-Diphenylhydantoin (Phenytoin)	Dilantin	500,000
5-Hydroxyindole-2- Carboxylic acid		500,000
5-Hydroxyindole-3-Acetic acid		500,000
5-Hydroxypropatenone		500,000
5-Hydroxytryptamine (Serotonin)		500,000
Methylenedioxypyrovalerone (MDPV)	Bath Salt	500,000
6-Monoacetyl morphine		500,000
74 lydrexyguelladine		500.090
8,11-di-OH-D9 THC		100,000
11-nor-D9-THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetanilide		500,000
Acetylcysteine	Mucomyst, Mucosil, Parvolex	500,000
Acetazolamide	Diamox, Acetazolam	500,000
Acetophenetidine		500,000
N-Acetylprocainamide		500,000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	500,000
Albuterol	Salbutamol, Proventil, Ventolin	500,000
Allobarbital	Asmac, Cibalgine, Diadol, Dially Barbituric Acid, Dial, Malilum, Sornnocodal	500,000
Allopurinol	Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol	500,000
Alpha-Hydroxyalprazolam		500,000
Alphaprodine HCI		500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Alphenal	Alphenate, Allofenyl, Efrodal, Fenallymal	500,000
Alprazolam	Tafil, Valeans, Xanax, Xandor	500,000
Alprenolol HCI		500,000
Amantadine HCl	Symadine, Symmentrel	500,000
p-Aminobenzoic acid (PABA)		500,000
Aminoglutethimide	Cytadren, Orimeten	500,000
Aminopyrine		500,000
Amitriptyline HCI	Elavil, Endep, Enovil, Emitrip	500,000
Ammonium chloride		500,000
Amobarbital	Amytal	500,000
Amoxapine	Asendin	500,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymax	100,000
Amphetamine		500,000
Ampicillin Na+Salt	Omnipen, Paracetamol, Polycillin, Principen	500,000
Ampicillin anhydrous		500,000
Aniline HCI		500,000
Aprobarbital	Alurate	500,000
1-Ascorbic acid	Ascorbicap, Cebid, Cecon, Cevalin, Flavorcee, Nice, Vita-C	500,000
Barbituric acid		500,000
Aspartame	Equal, Nutrasweet	500,000
Astemizole	Hismanal	500,000
Atenolol	Tenormin	500,000
Atropine	Atropen, Attropisol, Atrosulf, Saltropine	500,000
Barbital	Deba	50,000
Beclomethasone	Beclovent	500.000
dipropionate	DECLOVER	500,000
Bernegride		500,000
Benactyzine		500,000
Benzilic acid		500,000
Benzocaine	Anbesol, Americaine, Otic, Hurricaine, Orajel, Zilactin	500,000
Benzoic acid	Atrosept, Dolsed, Prosed, UAA, Uridon, Urised, Uritab, Uritin	500,000
Benzonatate	Tessalon	500,000
Benzophenone		500,000
Benzatropine mesylate	Cogentin	500,000
Benzoylecgonine		500,000
Benzylamine HCI		500,000
Bethanechol chloride	Duvoid, Urabeth	500,000
Bromazepam	Lectopam	500,000
Bromocriptine mesylate	Ergoset, Parlodel	500,000
Bupivacaine	Marcaine, Sensorcaine	500,000
Buprenorphine	Buprenex	500,000
Buspirone HCI Butabarbital	Buspar Buttool Guttoon Quantities	500,000
Butalbital	Butisol, Buticaps, Busodium Butalgen, Fiorgen, Fiorinal, Fiormor, Isobutyl, Isolin, Isollyl, Laninoif	500,000 500,000
Butethal	Etoval	500,000
Butorphanol	Stadol	500,000
Butyrophenone		500,000



CEDIA® Methadone 300 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Compounds	Coffe-Break, Durivitan, No-	(iiginic)
Caffeine	Doz, Percoffedrinol N. Pro-	500,000
Contonic	Plus, Vivarin	500,000
Calcium hypochlorite		500,000
Captopril	Capoten	500,000
Carbamazepine	Atretol, Carbatrel, Tegretol	500,000
Carbromal		500,000
Carisoprodol	Rela, Sodol, Soma, Soprodol, Soridel	500,000
Cefadroxil monohydrate	Duricet, Ultracef	500,000
Cefuroxime	Zinacef	500,000
Cephalexin	Cefanex, Keflex	500,000
Cephaloridine		500,000
Cephradine	Velosef, Anspor	500,000
Chloramphenicol	Chloroptic, Chloromycetin, Ocu-Chlor	500,000
Chlordiazepoxide	Libritabs, Librium, Sereen	100,000
Chloroquine	Aralen	500,000
Chlorothiazide	Diuril	500,000
Chlorotrianisene	Tace	500,000
Chlorpromazine HCI	Thorazine	500,000
Chlorpropamide	Diabinese, Glucamide	500,000
Chlorprothixene	Taractan	500,000
Chlorzoxazone	Paraflex, Parafon Forte DSC	500,000
Cholesterol		500,000
Cimetidine	Tagamet	500,000
oxacin	Cinobac	500,000
profloxacin HCI	Cipnol	500,000
Clindamycin	Cleocin	500,000
Clomipramine HCl	Anafranîl	500,000
Clonazepam	Klonopin	500,000
Clotrimazole	Mycelex	500,000
Cloxacittin	Cloxapen, Dynapen, Pathocil, Tegopen	500,000
Cocaine		500,000
Codeine		500,000
Colchicine		500,000
Cortisol	A-HydroCort, Hydrocortone Acetate, Solu-Cortef, Hydrocortisone	500,000
Cortisone	Cortone	500,000
Cortolone		500,000
Cotinine		500,000
Creatine hemisulphate		500,000
Creatine phosphate		500,000
Cyclobenzaprine	Cycloflex,Flexeril	500,000
Cyclohexylamine		500,000
Cyclopentobarbital		500,000
Cyclophosphamide	Cytoxan, Neosar	500,000
Cyproheptadine	Periactin	500,000
Demoxepam		500,000
Deoxycorticosterone		500,000
Deoxyepinephrine HCl		500,000
Desalkylfurazepam		500,000
Desipramine HCI	Norpramin, Petrofrane	500,000
o-desmethylvenlafaxine		1,000,000
Dextromethorphan HBr	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	500,000

Negative	Trade	Concentration
Compounds	Name Valium Valentana	(ng/mL)
Diazepam	Valium, Valrelease, Vazepam	500,000
Dibucaine HCI	Nipercainal	500,000
Diclofenac	Cataflam, Pennsaid, Voltaren	500,000
Dicyclomine HCI	Antipas, Bentyl Hydrochloride, Dibent, Dilomine	500,000
Diethylsuccinate		500,000
Diflunisal	Dolobid	500,000
Digoxin	Lanoxin	100,000
Dihydrocarbamazepine	DUO DI C I DC	500,000
Dihydrocodeine	DHC Plus, SynalgospDC	100,000
Diltiazem HCI	Cardizem, Dilacor, Dilitazem, Tiazac	500,000
Diphenhydramine HCl	Banophen, Benadryl, Diphedryl, Simply Sleep	500,000
Diphenoxylate HCl	Lomotil	500,000
Dipyridamole	Persantine, Permole	500,000
Disopyramide phosphate	Norpace, Rythmodan	12,000
Disulfiram	Antabuse	500,000
Dopa	Dopar, Larodopa	500,000
Dopamine HCI	Dopastat, Intropin	500,000
Doxepin HCl	Adapin, Sinequan	500,000
Doxylamine	Decapryn, Nighttime Sleep Aid, Unisom	500,000
Dronabinol (D9-THC)	Marinol	500,000
Ecgonine		500,000
Ecgonine methyl ester		500,000
EDDP (Primary Methadone Metabolite)		500,000
EMDP (Secondary Methadone Metabolite)		100,000
Enalapril	Vasotec	500,000
Ephedrine	Kondons Nasal, Pretz-D	500,000
Epinephrine	Adrenalin, AsthmaHaler, Bronitin, Epifrin, Primatene, Vaponefrin	500,000
Erythromycin	AK-Mycin, E-Mycin, Eryc, Ery-Tabs, llosone, Wyamycin	500,000
Esterone		500,000
b-Estradiol (E-2)	Alora, Climara, Delestrogen, DepGynogen, Depo-Estradiol, Depogen, E-Cypionae, Esclim, Estinyl, Estrace, Estraderm, Estragyn LA 5, Estring, EstroCyp, Estro-L.A., FemPatch, Gynodiol, Gynodiol, Gynogen L.A., Innofern, Menaval, Noven, Vagifern, Valergen, Vivelle, Vievelle-Dot	500,000
Estriol (E-3)		500,000
Estrone-3-Sulfate,Na+(E-1)	Estragyn, Estratab, Kestrone, Menest, Ogen, Ortho-Est	500,000
Ethambutol	Myambutol	500,000
Ethamivan		500,000
Ethinamate		500,000
Ethynyl Estradiol	Estinyl	500,000



CEDIA® Methadone 300 ng/mL cutoff

Trade Name Concentration (ng/mL) icid, Pepcid AC 500,000 idmin 500,000 ion 500,000 agesic 500,000 sypnol 500,000 ixin 500,000 mane, Durapam 500,000 ix 500,000 ix 500,000 amycin 500,000
cid, Pepcid AC 500,000 dimin 500,000 fon 500,000 agesic 500,000 typnol 500,000 zac, Sarafen 500,000 ixin 500,000 mane, Durapam 500,000 aid 500,000 ix 500,000
dimin 500,000 fon 500,000 agesic 500,000 typnol 500,000 zac, Sarafen 500,000 lixin 500,000 mane, Durapam 500,000 aid 500,000 ix 500,000
fon 500,000 agesic 500,000 sypnol 500,000 zac, Sarafen 500,000 ixin 500,000 mane, Durapam 500,000 aid 500,000 ix 500,000
agesic 500,000 500,000 typnol 500,000 zac, Sarafen 500,000 tixin 500,000 mane, Durapam 500,000 aid 500,000 ix 500,000
500,000 1
typnol 500,000 zac, Sarafen 500,000 tixin 500,000 mane, Durapam 500,000 aid 500,000 ix 500,000
zac, Sarafen 500,000 ixin 500,000 mane, Durapam 500,000 aid 500,000 ix 500,000
ixin 500,000 mane, Durapam 500,000 aid 500,000 ix 500,000
mane, Durapam 500,000 aid 500,000 ix 500,000
aid 500,000 ix 500,000
ix 500,000
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500,000
500,000
inul 500,000
vivcin, Grisactin, Gris- G 500,000
fed, Drixoral, 500,000
oitussin, Hytuss
elin 500,000
tipam 500,000
dol, Peridol 500,000
500,000
500,000
500,000
500,000
esoline 500,000
drix, Hydro-DiURIL, 500,000 Iro-D, Oretic
tab 500,000
udid 500,000
500,000
500,000
500,000
ranil, Apo-Hydroxyzine, 500,000 rax, Hyzine-50
ril, Haltran, Mediprene, trin, Nuprin, Proen, Rufen 500,000
500,000
500,000
ranil 500,000
col 500,000
500,000
eroauxin, Rhizopin 500,000
modin, Seradix 500,000
vomethacin, 500,000 omethacin
malog, Humuline, lletin, itus, Novolin, 500,000 voRapid, NovoLog, ilin, Velosulin
ovent 500,000
500,000 500,000
nkomrter, Bronkosol, y-Dose, Dey-Lute, 500,000 etharine
niazid, Tubizid, INH 500,000

Compounts Name (as/mt) Ketamine HCI Ketalar 500,000 Ketoprofen Orudis, Oruvail 500,000 Labetalol Normodyne, Trandate 500,000 Lamotrigine Lamictal 1,000,000 Lamotrigine Levo-Dromoran 500,000 Levothyroxine (Tz) Synthroid 500,000 Levothyroxine (Tz) Synthroid 500,000 Lidocaine Xylocaine 500,000 Lidocaine Xylocaine 500,000 Lisinopril Zestril 500,000 Lisinopril Zestril 500,000 Lorrazepam Alivan 500,000 Lorrazepam Alivan 500,000 Loxapine succinate Loxitane 500,000 Lysergic Acid Diethylamide Experic Acid 500,000 Lysergic Acid Experic Acid 500,000 Mebendazin Mebendacin, Mebutar, 500,000 Mebendazole Mebendacin, Mebutar, 500,000 Medazepam Nobrium 500,000	Negative	Trade	Concentration
Ketanine HCI Ketalar 500,000 Ketoprofen Ozudis, Ozuvail 500,000 Cabetalol Normodyne, Frandate 500,000 Cabetalol South Sout			
Ectoprofen			
Labetalod			
Lamotrigine			
LAMPA			
Levorhyroxine (T ₄)			500,000
Levothyroxine (T4)		Levo-Dromoran	
Lidocaine Xylocaine 500,000 Listinopril Zestril 500,000 Listinopril 2estril 500,000 Lorazepam Ativan 500,000 Loxapine succinate Loxitane 500,000 Lysergic acid 500,000 500,000 Lysergic Acid Diethylamide (LSD) Mebendacin, Mebutar, Nemasole, Vermox 500,000 Mebendazole Mebendacin, Mebutar, Nemasole, Vermox 500,000 Medazepam Nobrium 500,000 Medroxyprogesterone acidate Amen, Curretab, Cycrin, Provera 500,000 Merimanic acid Ponstel, Ponstan 500,000 Mephendian Alkeran 500,000 Mephentermine hemisulfate Wyamine 250,000 Mephentermine hemisulfate Wyamine 250,000 Mephentermine hemisulfate Wyamine 250,000 Mephentermine hemisulfate Wyamine 250,000 Mephentermine hemisulfate Wyamine 500,000 Mephentermine hemisulfate Wyamine 250,000 Mephentermine hemisulfate			
Lishipopril Zestril 500,000 Lithium carbonate 500,000 Lorazepam Ativan 500,000 Lorazepam 500,000 Lorazepam 500,000 Lorazepam 500,000 Losapine succinate Loxitane 500,000 Lysergic acid 500,000 Lysergic Acid Diethylamide (LSD) 500,000 500,000 Mebendazole Mebendacin, Mebutar, Nemasole, Vermox 500,000 Medendazole Mebendacin, Mebutar, Nemasole, Vermox 500,000 Medroxyprogesterone acetate Amen, Curretab, Cycrin, Sou,000 500,000 Medroxyprogesterone acetate Amen, Curretab, Cycrin, Sou,000 500,000 Mephalan Alkeran 500,000 Mephalan Alkeran 500,000 Mephentermine hemisulfate Wyamine 250,000 Mephentermine hemisulfate Wyamine 250,000 Mephentytoin Mesamtoin 500,000 Mephotarbital Mebaral 500,000 Mephotarbital Mebaral 500,000			
Lithium carbonate			
Lorazepam			
Loxiane succinate		Ativan	
Lysergic acid		7.414	
Lysergic Acid Diethylamide (LSD)		Loxitane	
Lysergic Acid Diethylamide (LSD) 500,000 Maprolitine HCI Ludiomil 500,000 Mebendazole Mebendacin, Mebutar, Nemasole, Vermox 500,000 Medazepam Nobrium 500,000 Medroxyprogesterone acetate Amen, Curretab, Cycrin, 200,000 500,000 Mefenamic acid Ponstel, Ponstan 500,000 Melphalan Alkeran 500,000 Mephentermine hemisulfate Wyamine 250,000 Mephentermine hemisulfate Wyamine 250,000 Mephenytoin Mesamtoin 500,000 Mephenytoin Mesamtoin 500,000 Mephobarbital Mesamtoin 500,000 Mephobarbital Mesamtoin 500,000 Mescaline Peyote 500,000 Metanephrine HCl 500,000 Metapyriline 500,000 Metapyriline 500,000 Metapyriline 500,000 Methapyriline 500,000 Methaphetamine 500,000 Methapyriline 500,000 Methapyri			
Maprotiline HCl			
Maprotiline HCI Ludiomil 500,000 Mebendazole Mebendacin, Mebutar, Nemasole, Vermox 500,000 Medazepam Nobrium 500,000 Medroxyprogesterone acetate Amen, Curretab, Cycrin, Depo-Provera 500,000 Mefenamic acid Ponstel, Ponstan 500,000 Mephalan Alkeran 500,000 Meperidine Demerol 500,000 Mephentermine hemisulfate Wyamine 250,000 Mephentyloin Mesamtoin 500,000 Mephenyloin Mesamtoin 500,000 Mephobarbital Mebaral 500,000 Mephobarbital Mebaral 500,000 Mescaline Peyote 500,000 Mescaline Peyote 500,000 Metapphrine HCI 500,000 Metappriline 500,000 Metaproterenol Alupent, Metaprel 500,000 Metharmine Detamine Desoxyn 500,000 Metharphetamine Desoxyn 500,000 Methaphatamine Normi-Nox, Pallidan, Somnomed, Quaalude			500,000
Mebendazole Mebendacin, Mebutar, Nemasole, Vermox 500,000 Medazepam Nobrium 500,000 Medroxyprogesterone acetate Amen, Curretab, Cycrin, 500,000 Mefenamic acid Ponstel, Ponstan 500,000 Melphalan Alkeran 500,000 Meperidine Demerol 500,000 Mephentermine hemisulfate Wyamine 250,000 Mephentermine hemisulfate Soo,000 500,000 Mescaline Peyote 500,000 Mescaline Peyote 500,000 Metacapinine HCl Alupent, Metaprel 500,000 Metagrylline Aramine 500,000 Metharphetamine Desoxyn 500,000		Ludiomil	500,000
Medazepam Nemasole, Vermox 500,000 Medroxyprogesterone acetate Amen, Curretab, Cycrin, acetate 500,000 Mefenamic acid Ponstel, Ponstan 500,000 Melphalan Alkeran 500,000 Mepheridine Demerol 500,000 Mepheridine hemisulfate Wyamine 250,000 Mepheridine hemisulfate Wyamine 500,000 Mepheridine hemisulfate Wyamine 500,000 Mepheridine hemisulfate Wyamine 500,000 Mepheridine hemisulfate Wyamine 500,000 Mepheridine hemisulfate Mesamtoin 500,000 Mepheridine hemisulfate Mesamtoin 500,000 Mescaline Peyote 500,000 Metarephrine HCl 500,000 500,000 Metarephrine HCl Alupent, Metaprel 500,000 Metarpoterenol Alupent, Metaprel 500,000 Metarpoterenol Alupent, Metaprel 500,000 Methapotatiate Aramine 500,000 Methapotatiate Gemonil 500,000 <td></td> <td>·</td> <td></td>		·	
Medazepam Nobrium 500,000 Medroxyprogesterone acetate Amen, Curretab, Cycrin, 500,000 500,000 Mefenamic acid Ponstel, Ponstan 500,000 Melphalan Alkeran 500,000 Meperidine Demerol 500,000 Mephentermine hemisulfate Wyamine 250,000 Mephenytoin Mesamtoin 500,000 Mephobarbital Mebaral 500,000 Mephobarbital Mebaral 500,000 Mephobarbital Mebaral 500,000 Mescaline Peyote 500,000 Mescaline Peyote 500,000 Metarephrine HCl 500,000 Metarephrine HCl 500,000 Metaproterenol Alupent, Metaprel 500,000 Metaraminol bitatrate Aramine 500,000 Methaqualone HCl Normi-Nox, Pallidan, 500,000 Methapualone HCl Somnomed, Quaalude 500,000 Methapualone HCl Gemoril 500,000 Methapualone HCl Sou,000 500,000	Mebendazole		500,000
Medroxyprogesterone acetate Amen, Curretab, Cycrin, Depo-Provera 500,000 Mefenamic acid Ponstel, Ponstan 500,000 Melphalan Alkeran 500,000 Meperdifine Demerol 500,000 Mephentermine hemisulfate Wyamine 250,000 Mephenytoin Mesamtoin 500,000 Mephenytoin Mesamtoin 500,000 Mepheobarbital Mebaral 500,000 Mepheobarbital Mesamtoin 500,000 Mescaline Peyote 500,000 Mescaline Peyote 500,000 Metagryfline 500,000 500,000 Methagryfline 500,000 500,000 Methagryfline 500,000 500,000 <td>Medazenam</td> <td></td> <td>500,000</td>	Medazenam		500,000
Depo-Provera Stotowood			
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Melphalan Alkeran 500,000 Meperidine Demerol 500,000 Mephentermine hemisulfate Wyamine 250,000 Mephenytoin Mesamtoin 500,000 Mephobarbital Mebaral 500,000 Mephobarbital Mebaral 500,000 Meriocaine HCI Carbocaine, Polocaine 500,000 Mescaline Peyote 500,000 Metarephrine HCI 500,000 500,000 Metaproterenol Alupent, Metaprel 500,000 Metaraminol bitatrate Aramine 500,000 Metharphetamine Desoxyn 500,000 Metharphetamine Normi-Nox, Pallidan, Somnomed, Quaalude 500,000 Metharbital Gemonil 500,000 Metharbital Gemonil 500,000 Methocarbamol Robamol, Delaxin 500,000 Methocarbamol Robamol, Delaxin 500,000 Methocarbamol Robamol, Delaxin 500,000 Methocarbamol HCl Vasoxyl 500,000 Methoxamine HCl		Ponstel Ponstan	500 000
Meperidine Demerol 500,000 Mephentermine hemisulfate Wyamine 250,000 Mephenytoin Mesamtoin 500,000 Mephobarbital Mebaral 500,000 Mephobarbital Mebaral 500,000 Mephobarbital Mebaral 500,000 Mescaline Peyote 500,000 Mescaline Peyote 500,000 Metanephrine HCl 500,000 500,000 Metapyriline Alupent, Metaprel 500,000 Metapyriline 500,000 500,000 Metapyriline Alupent, Metaprel 500,000 Metapyriline Alupent, Metaprel 500,000 Metapyriline Alupent, Metaprel 500,000 Metapyriline Alupent, Metaprel 500,000 Methapyriline Alupent, Metaprel 500,000 Methapyriline Alupent, Metaprel 500,000 Methapyriline Mormanine 500,000 Methapyriline Robamol, Pelaxin 500,000 Methocarbamol Robamol, Delaxi	Melohalan	Alkeran	
Mephentermine hemisulfate Wyamine 250,000 Mephenytoin Mesamtoin 500,000 Mephobarbital Mebaral 500,000 Mephobarbital Mebaral 500,000 Mephobarbital Mebaral 500,000 Mephobarbital Sounder 500,000 Mescaline Peyote 500,000 Metanephrine HCl 500,000 500,000 Metapyriline Sounder 500,000 Metapyriline Alupent, Metaprel 500,000 Metapyriline Sounder 500,000 Metapyriline Alupent, Metaprel 500,000 Metapyriline Sounder 500,000 Metapyriline Alupent, Metaprel 500,000 Methapyriline Aramine 500,000 Methapyriline Aramine 500,000 Methapyriline Mormanine 500,000 Methapyriline Methocarbamol Robamol, Qualude 500,000 Methocarbamol Robamol, Delaxin 500,000 Methocarbamol Robamol			
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Mephobarbital Mebaral 500,000 Mepivacaine HCI Carbocaine, Isocaine, Isocaine, Isocaine, Polocaine 500,000 Mescaline Peyote 500,000 Metanephrine HCI 500,000 Metapyriline 500,000 Metapyriline 500,000 Metaproterenol Alupent, Metaprel 500,000 Metaraminol bitatrate Aramine 500,000 Methamphetamine Desoxyn 500,000 Methaqualone HCI Normi-Nox, Patlidan, Somnomed, Quaalude 500,000 Metharbital Gemonil 500,000 Metharbital Gemonil 500,000 Methocarbamol Robarnol, Delaxin 500,000 Methocarbamol Robarnol, Delaxin 500,000 Methorimeprazine Levoprone 500,000 Methotrimeprazine Levoprone 500,000 Methoxyphenamine HCl Vasoxyl 500,000 Methoxyphenamine HCl 500,000 Methyldopa Aldomet 500,000 Methylphenidate Ritalin 500,000 <t< td=""><td></td><td>·</td><td></td></t<>		·	
Mepivacaine HCI Carbocaine, Isocaine, Isocaine, Isocaine, Polocaine 500,000 Mescaline Peyote 500,000 Metanephrine HCI 500,000 Metapyriline 500,000 Metaproterenol Alupent, Metaprel 500,000 Metarminol bitatrate Aramine 500,000 Methamphetamine Desoxyn 500,000 Methaqualone HCI Normi-Nox, Pallidan, Somnomed, Quaalude 500,000 Metharbital Gemonil 500,000 Metharbital Gemonil 500,000 Methocarbamol Robarnol, Delaxin 500,000 Methocarbamol Robarnol, Delaxin 500,000 Methocarbamol Robarnol, Delaxin 500,000 Methocarbamol Brevital Sodium 500,000 Methocarbamol Robarnol, Delaxin 500,000 Methocarbamol Robarnol, Delaxin 500,000 Methocarbamol Brevital Sodium 500,000 Methoxamine HCl Vasoxyl 500,000 Methoxamine HCl Vasoxyl 500,000 Methylopa			
Mescaline Isocaine, Polocaine 500,000 Metanephrine HCl 500,000 Metapyriline 500,000 Metapyriline 500,000 Metaproterenol Alupent, Metaprel 500,000 Metaraminol bitatrate Aramine 500,000 Methamphetamine Desoxyn 500,000 Methaqualone HCl Normi-Nox, Paltidan, Somnomed, Quaalude 500,000 Metharbital Gemonil 500,000 Metharbital Gemonil 500,000 Methocarbamol Robarnol, Delaxin 500,000 Methocarbamol Robarnol, Delaxin 500,000 Methotrimeprazine Levoprone 500,000 Methotrimeprazine Levoprone 500,000 Methoxamine HCl Vasoxyl 500,000 Methoxyphenamine HCl 500,000 Methylopa Aldomet 500,000 Methylopa Aldomet 500,000 Methylopal Aldomet 500,000 Methylopal Reglan, Octamide 500,000 Metoclopramide			
Mescaline Peyote 500,000 Metanephrine HCl 500,000 Metapyriline 500,000 Metapyriline 500,000 Metaraminol bitatrate Aramine 500,000 Methamphetamine Desoxyn 500,000 Methaqualone HCl Normi-Nox, Paltidan, Somnomed, Quaalude 500,000 Metharbital Gemonil 500,000 Methenamine Hiprex,Mandameth, Mandelamine, Urex 500,000 Methocarbamol Robarnol, Delaxin 500,000 Methotrimeprazine Levoprone 500,000 Methoxamine HCl Vasoxyl 500,000 Methoxyphenamine HCl Vasoxyl 500,000 Methylopa Aldomet 500,000 Methylphenidate Ritalin 500,000 Methylphenidate Ritalin 500,000 Methylphenidate Reglan, Octamide 500,000 Metoclopramide Reglan, Octamide 500,000 Metonidazole Flagyl, Metizol, Protostat 500,000 Miconazole Monistat 500,000	Mepivacaine HCI		500,000
Metanephrine HCl 500,000 Metapyriline 500,000 Metaproterenol Alupent, Metaprel 500,000 Metaraminol bitatrate Aramine 500,000 Methamphetamine Desoxyn 500,000 Methaqualone HCl Normi-Nox, Pallidan, Somnomed, Quaalude 500,000 Metharbital Gemonil 500,000 Methenamine Hiprex,Mandameth, Mandelamine, Urex 500,000 Methocarbamol Robamol, Delaxin 500,000 Methotrimeprazine Levoprone 500,000 Methoximine HCl Vasoxyl 500,000 Methoxyphenamine HCl Vasoxyl 500,000 Methylodopa Aldomet 500,000 Methylodopa Aldomet 500,000 Methylphenidate Ritalin 500,000 Methylphenidate Ritalin 500,000 Metoprolol tartrate Lopressor 500,000 Metoprolol tartrate Lopressor 500,000 Midazolam Versed 500,000 Moroethylglycinexylidide Holication Hol	Mescaline		500.000
Metapyriline 500,000 Metaproterenol Alupent, Metaprel 500,000 Metaraminol bitatrate Aramine 500,000 Methamphetamine Desoxyn 500,000 Methaqualone HCI Normi-Nox, Pallidan, Sonomed, Quaalude 500,000 Metharbital Gemonil 500,000 Methenamine Hiprex, Mandameth, Mandelamine, Urex 500,000 Methocarbamol Robarnol, Delaxin 500,000 Methokexital Brevital Sodium 500,000 Methotrimeprazine Levoprone 500,000 Methoxamine HCl Vasoxyl 500,000 Methoxyphenamine HCl 500,000 Methoxyphenamine HCl 500,000 Methyldopa Aldomet 500,000 Methylphenidate Ritalin 500,000 Methylphenidate Ritalin 500,000 Methylphenidate Reglan, Octamide 500,000 Metoprolol tartrate Lopressor 500,000 Metonidazole Flagyl, Metizol, Protostat 500,000 Midazolam Versed			
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	Morphine-3-b D-Glucuronide		
	Nadoiol	Corgard	500,000



CEDIA® Methadone 300 na/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Nafcillin	Unipen	500,000
Natidixic acid	Neggram	500,000
Nalorphine HCI		500,000
Naloxone HCI	Narcan	500,000
Naltrexone HCI	Depade, ReVia	500,000
Naphazoline HCI	AK-Con, Albalon, Clear Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu-Zoline, Opcon, VasoClear	500,000
Naproxen	Aleve, Anaprox, Naprosyn	500,000
Nelopam HCL		500,000
Neomycin	Mycirfradin Sulfate, Neo- fradin, Neo-Tabs, Myciguent	500,000
Niacinamide (Nicotinamide)		500,000
Nialamide		500,000
Nicotine	Habitrol, Nicoderm, Nicorette, Nicotrol, ProStep	500,000
Nicotinic acid (Niacin)		500,000
Nifedipine	Procardia	500,000
Nitrazepam	<u> </u>	500,000
Nitrofurantion	Marcobid	500,000
Nitrophenol		500,000
Norchlordiazepoxide		500,000
rcodeine HCI		500,000
Nordiazepam (Desmethyldiazepam)		500,000
Nordouripramine		500,000
Nordoxepin HCl		500,000
Norepinephrine HCI	Levophed	500,000
Norethindrone	Aygestom, Micronor, Nadutin	500,000
Norfloxacin	Noroxin	500,000
Norfluoxetine HCI		1,000,000
Norgestrel	Ovrette	500,000
Normorphine		500,000
Noroxymorphone		500,000
Norpropoxyphene		500,000
Norquetapine HCI		500,000
Nortriptyline HCI	Aventyl, Pamelor	500,000
Noscapine HCI		500,000
Nylidrin HCl		500,000
Octopamine HCI		500,000
Offoxacin	Floxin	500,000
Omeprazole	Prilosec	1,000,000
Orotic Acid		500,000
Orphenadrine HCI	Flexoject, Myophen, Norflex	500,000
Oxazepam	Serax	500,000
Oxycodone HCI	OxyContin	500,000
Oxymetazoline HCl	Dristan, Sinarest	500,000
Oxymorphone	Numorphan	500,000
Oxyphenbutazone		500,000
Pargyline	Eutron	500,000
Penicillin G	Pfizerpen	500,000
Penicillin V potassium	PenVee K, Robicillin VK, Veetids, V-Cillin K	500,000
5 to	Talwin	500,000
Pentazocine HCI	I ANVIIS	

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Pentoxifylline	Trental	500,000
Perphenazine	Trilafon	500,000
Phenacetin		500,000
Phenazopyridine HCl	Azo-Standard, Pyridium, Urodine	500,000
Phencyclidine (PCP)		500,000
Phendimetrazine	Bontril, Plegine	500,000
Phenelzine	Nardil, Parnate, Marplan	500,000
b-Phenethylamine HCl		500,000
Phenformin		500,000
Pheniramine	Trimeton	100,000
Phenobarbital	Luminaf	500,000
Phenothiazine		500,000
Phenoxazine		500,000
Phenoxy methyl penicillic		500,000
Phentermine	Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine	500,000
Phensuximide		500,000
Phenylalamine		500,000
Phenylbutazone	Azorid, Butazolidin	500,000
Phenylcyclohexylamine		500,000
Phenylcyclopropylamine		500,000
Phenylenediamine		500,000
Phenylpropanolamine	Dura-Vent, Acutrim, Dexatrim	500,000
Phenyltoloxamine citrate salt	Poly-Histine-D	500,000
Phenytoin		500,000
Phthalic acid		500,000
Picrotoxin	· · · · · · · · · · · · · · · · · · ·	500,000
Pipernidic acid		500,000
Piroxicam	Feldene	500,000
Potassium chloride	Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Lor, Kaon-CL, Slow-K, K-Norm, Ten-K	500,000
Potassium iodide	Pima, SSKI	500,000
Prazepam	Centrax	500,000
Prazosin HCI	Minipress	500,000
Prednisolone	Hydeltrasol (Injection)	500,000
Prednisone	Deltasone, Meticorten, Orasone, Stempred	500,000
Pregnenolone	C. Sourier Comprise	500,000
Prilocaine HCI	Citanest	500,000
Primidone	Mysoline	500,000
Probenecid	Benemid, Benuryl, Probalan	500,000
Procainamide HCl	Procan SR, Procamide SR, Promine, Pronestyl, Pronestyl-SR, Procanbid	500,000
Procaine HCI	Novocain	500,000
Procyclidine	Kemadrin	250,000
Progesterone	Crinone, Ovrette, Micronor, Nar-QD	500,000
Promazine	Primazine, Protine-50, Sparine	100,000
Promethazine HCI	Phenergan	500,000
Propoxyphene	Darvon	500,000
Propranolol	Betachron, Inderal	500,000
Propylbenzene		500,000
Propyloenzene		

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CEDIA® Methadone 300 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Pseudoephedrine HCI	Sudafed	500,000
Pyridinium chlorochromate		500,000
Pyridoxine (Vitamine B ₆)	Nestrex	500,000
Pyrilamine maleate salt		500,000
	Cardioquin, Cin-Quin,	
	Duraquin, Novoquinidin,	
Quinidine	Quinaglute Dura-Tabs, Quinalan, Quinatime,	500,000
	Quinidex Extentabs.	
	Quinora, Quin-Release	
	Quinamm, Quindan,	
Quinine HCI	Quiphile, Q-Vel, Strema	500,000
Quinine sulfate	Formula Q	500,000
Ranitidine	Zantac	500,000
Rescinnamine	Moderil	500,000
	Novoresperine, Resertia,	
Reserpine	Serpalan, Serparil	500,000
Retinoic acid	bearing	500,000
Rifampicin	Rifadin	500,000
Ritodrine HCI	Yutopar	500,000
	Disalcid, Mono-Gesic,	
Salicylic acid	Salflex, Salgesic, Salsitab	500,000
Salicyluric acid		500,000
Scopolamine	Transderm-Scop	500,000
Secobarbital	Seconal	500,000
Spironolactone	Novespireton, Aldactone	1,000,000
Strychnine		500,000
Sulfamethazine Na+		500,000
	Bactrim, Cotrim, Septra,	
Sulfamethoxazole	Sulfamethoprim, Sulfatrim,	500,000
	Uroplus	
Sulfathiazole	Sulfa-Gyn, Sulnac, Sultrin,	500.000
Sunaunazore	Trysul, V.V.S.	500,000
Sulfisoxazole	Gantrisin	500,000
Sulindac	Clinoril	500,000
Talbutal		500,000
Temazepam	Restoril, Razepam, Temaz	500,000
Terbutaline	Brethaine, Brethine,	500,000
	Bricanyl	
Terfenadine	Seldane	500,000
	Ak-T-Caine,	
Tetracaine HCI	CepacolViractin,	500,000
	Pontocaine, Opticaine	
Tetracycline	Achromycin V, Parimycin,	500,000
•	Sumycin, Tettracyn, Robitet	•
Tetrahydrocortisone	Timing Mains	500,000
Tetrahydrozoline HCl	Tyzine, Visine	500,000
Thanzylamine	Acrolate Acrostic	500,000
	Aerolate, Asmalix, Elixophyllin, Quinbron,	
Theophylline	Resphid, Slo-Phyllin, Slo-	500,000
11000billionio	bid, Theo-24, Theo-Dur,	300,000
	Theolair	
Thiamine HCI	Betalins, Biamine	500,000
Thiothixene	Navane	500,000
Thyroxine		500,000
	Betimol, Blocadren,	
Timolol	Timoptic	500,000
Tocopherol phosphate	· · · · · · · · · · · · · · · · · · · ·	500,000
Tolbutamide	Orinase	500,000
Tolmetin	Tolectin	500,000
101110011	, arqueri	500,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Tramadol	Ultram	500,000
Tranylcypromine HCI	Parnate	500,000
Trazodone HCI	Desyrel	500,000
	Aristocort, Aristospan,	
Triamcinolone	Azmacort, Kenalog,	500,000
	Nasacort	
Triamterene	Dyrenium	500,000
Triazolam	Halcion	500,000
Tribenzylamine		500,000
Triflupromazine HCl	Vesprin	200,000
Trihexylphenidyl HCl	Artane	500,000
Trimethoprim	Prioprim, Trimpex	500,000
Trimipramine	Surmontil	500,000
Tripelennamine HCt	PBZ, PBZ-SR	500,000
Triprolidine HCI	Actagen-C, Allerfrin w/Codenine, Aprodine w/Codenine, Triacin-C, Trifed-C	500,000
Tropic acid		500,000
Tropine	I-Tropine, Ocu-Tropine	500,000
Tryptamine HCI		500,000
Tryptophan		500,000
Tyramine		500,000
Tyrosine		500,000
Urea	Aquacare, Carmel, Grodon's Urea, Ureaphil	500,000
Uric acid		500,000
Venlafaxine	Effexor	1,000,000
Verapamil	Isoptin, Verelan	500,000
Warfarin	Coumadin	500,000
Zolpidem hemitartrate	Ambien	50,000
Zomepirac		500,000
Zoplicone	Imovane	500,000

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Positive Compounds	Trade Name	Concentration (ng/mL)
EDDP (Primary Methadone Metabolite)		100
3,4 Methylenedioxypyrovalerone (MDPV)	Bath Salt	500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
1,3-Dimethylbarbituric acid		500,000
1-Phenylcyclohexylamine		500,000
4-OH-PCP HCI		500,000
i-Diphenylhydantoin henytoin)	Dilantin	500,000
5-Hydroxyindole-2- carboxylic acid		500,000
5-Hydroxyindole-3-acetic acid		500,000
5-Hydrosydropatenone		500,000
5-Hydroxytryptamine (Serotonin)		500,000
6-Monoacetyl morphine		100,000
7-Hydroxyquetiapine		500,000
10,11- Dihydrocarbamazepine		500,000
11-nor-D9-THC-COOH		9.330
a-levo-acetylmethadol		1,000,000
a-levo-noracetylmethadol		1,000,000
a-levo-dinoracetylmethadol		1,000,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetanilide		500,000
Acetazolamide	Diamox, Acetazolam	500,000
Acetophenetidine		500,000
N-Acetyl-I-cysteine	Mucomyst, Mucosil, Parvolex	500,000
N-Acetylprocainamide		500,000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	500,000
Albuterol	Proventif, Ventolin	500,000
Allobarbital	Asmac, Cibalgine, Diadol, Dially Barbituric Acid, Dial, Malilum, Sornnocodal	100,000
Allopurinol	Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol	500,000
phaprodine HCI		100,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Aiphenal	Alphenate, Allofenyl, Efrodal, Fenallymal	100,000
Alprazolam	Tafii, Valeans, Xanax, Xandor	100,000
a-OH-Alprazolam		10,000
Alprenolol HCI		500,000
Amantadine HCI	Symadine, Symmentrel	500,000
o-Aminobenzoic acid PABA)		500,000
Aminoglutethimide	Cytadren, Orimeten	500,000
-Aminopyrine		500,000
Amitriptyline HCI	Elavil, Endep, Enovil, Emitrip	500,000
Ammonium chloride		500,000
Amobarbital	Amytal	100,000
Amoxapine	Asendin	500,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymox	500,000
Amphetamine		100,000
d-Amphetamine		100,000
Ampicillin, Na salt	Omnipen, Principen, Marcillin, Totacillin	500,000
Ampicillin, anhydrous		500,000
Aniline HCI		500,000
Aprobarbital	Alurate	100,000
-Ascorbic acid	Ascorbicap, Cebid, Cecon, Cevalin, Flavorcee, Nice, Vita-C	500,000
Aspartame	Equal, Nutrasweet	500,000
Astemizole	Hismanal	500,000
Atenolol	Tenormin	500,000
Atropine SO ₄ monohydrate	Atropen, Attropisol, Atrosulf, Saltropine	500,000
Barbital	Deba	100,000
Barbituric acid		500,000
Beclomethasone dipropionate	Beclovent	100,000
Bemegride		500,000
Benactyzine		500,000
Benzocaine	Anbesol, Americaine, Otic, Hurricaine, Orajel, Zilactin	500,000
Benzoic acid	Atrosept, Dolsed, Prosed, UAA, Undon, Urised, Unitab, Unitin	500,000
Benzonatate	Tessalon	500,000
Benzophenone		500,000
Benzotropine mesylate	Cogentin	500,000
Benzoylecgonine		100,000
Benzylamine HCI		500,000
Bethanechol chloride	Duvoid, Urabeth	500,000
Bromazepam	Lectopam	100,000
Bromocriptine mesylate	Ergoset, Parlodel	500,000
Brompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	500,000
Bupivacaine	Marcaine, Sensorcaine	500,000
Buprenorphine	Buprenex	500,000
Buspirone HCI	Buspar	500,000
Butabarbital	Butisol, Buticaps, Busodium	100,000
Butalbital	Butalgen, Fiorgen, Fiorinal, Fiormor, Isobutyl, Isolin, Isollyl, Laninoif	100,000



Negative Compounds	Trade Name	Concentration (ng/mL)
Butethal	Etoval	100,000
Butorphanol	Stadol	500,000
Butyrophenone		500,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	500,000
Calcium hypochlorite		500,000
Captopril	Capoten	500,000
Carbamazepine	Atretol, Carbatrel, Tegretol	500,000
Carbamazepine-10,11- Epoxide		500,000
Carbromal		500,000
Carisoprodol	Rela, Sodol, Soma, Soprodol, Soridel	500,000
Cefadroxil monohydrate	Duricet, Ultracef	500,000
Cefuroxime Na+	Zinacef	500,000
Cephalexin monohydrate	Cefanex, Keflex	500,000
Cephaloridine		500,000
Cephradine	Velosef, Anspor	500,000
Chloramphenicol	Chloroptic, Chloromycetin, Ocu-Chlor	500,000
Chfordiazepoxide	Libritabs, Librium, Sereen	100,000
Chloroquine phosphate	Arafen	500,000
Chlorothiazide	Diuril	500,000
Chlorotrianisene	Tace	100,000
Chlorpheniramine maleate	Aller-Chlor, Chlor-Trimeton, Edifac 24, Chloephenamine	500,000
Chlorpromazine HCI	Thorazine	500,000
Chlorproparnide	Diabinese, Glucamide	500,000
Chlorprothixene	Taractan	500,000
Chlorzoxazone	Paraflex. Parafon Forte DSC	500,000
Cholesterol		500,000
Cimetidine	Tagamet	500,000
Cinoxacin	Cinobac	500,000
Ciprofloxacin HCI	Cipnol	500,000
Clematstine fumarate	Anithist-1, Tavist	500,000
Clindamycin HCI	Cleocin Anafranil	500,000
Clomipramine HCI Clonazepam	Klonopin	500,000 100,000
Clonidine HCI	Catapres	500,000
Clotrimazole	Mycelex	500,000
Cloxacillin Na-	Cloxapen, Dynapen, Pathocil, Tegopen.	500,000
Cocaine		100,000
Codeine		100,000
Colchicine HCI		500,000
Cortisal	A-HydroCort, Hydrocortone Acetate, Solu-Cortef, Hydrocortisone	500,000
Cortisone	Cortone	500,000
ß- Cortolone		500,000
(-)Cotinine		500,000
Creatine hemisulphate		500,000
Cyclazocine	——————————————————————————————————————	500,000
Cyclizine	Happytrip, Marezine	500,000
Cyclobenzaprine	Cycloflex, Flexeril	500,000
Cyclohexylamine		500,000
Cyclopentobarbital		100,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Cyclophosphamide monohydrate	Cytoxan, Neosar	500,000
Cyproheptadine	Periactin	500,000
Demoxepam		500,000
Deoxycorticosterone		500,000
Deoxyepinephrine HCI		500,000
Desalkylfurazepam		500,000
Desipramine HCI	Norpramin, Petrofrane	500,000
Dextromethorphan HBr	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	175,000
Diacetyl morphine	Heroin	100,000
Diazepam	Valium, Valrelease, Vazepam	100,000
Dibuçaine HCI	Nipercainal	500,000
Diclofenac	Cataflam, Pennsaid, Voltaren	500,000
Dicylomine HCl	Antipas, Bentyl Hydrochloride, Dibent, Dilomine	500,000
Diethylsuccinate		500,000
Diflunisal	Dolobid	500,000
Digoxin	Lanoxin	100,000
Dihydrocodeine	DHC Plus, Synalgos-DC	100,000
Diltiazem HCI	Cardizem, Dilacor, Dilitazem, Tiazac	500,000
Diphenhydramine HCI	Banophen, Benadryl, Diphedryl, Simply Sleep	500,000
Diphenoxylate HCl	Lomotil	100,000
Dipyridamole	Persantine, Permole	100,000
Disopyramide		1,000,000
Disulfiram	Antabuse	500,000
I-Dopa Dopamine	Dopar, Larodopa Dopastat, Intropin	500,000 500,000
Doxepin HCI	Adapin, Sinequan	500,000
Doxylamine succinate	Decapryn, Nighttime Sleep Aid, Unisom	500,000
Dronabinol	Marinol	100,000
Ecgonine		100,000
Ecgonine methyl ester		100,000
EMDP (Secondary		
Methadone Metabolite)		200,000
Enalapril maleate	Vasotec	500,000
I-Ephedrine		500,000
I-Epinephrine		100,000
Erythromycin	AK-Mycin, E-Mycin, Eryc, Ery-Tabs, Ilosone, Wyamycin	500,000
b-Estradiol (E-2)	Alora, Climara, Delestrogen, DepGynogen, Depo-Estradiol, Depogen, E-Cypionae, Esclim, Estinyl, Estrace, Estraderm, Estragyn LA 5, Estring, EstroCyp, Estro-L.A., FemPatch, Gynodiol, Gynodiol, Gynogen L.A., Innotem, Menaval, Noven, Vagifem, Valergen, Vivelle, Vievelle-Dot	100,000
Estriol (E-3)		100,000



Concentration (ng/mŁ)
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Newstrans		Concentration
Negative Compounds	Trade Name	(ng/mL)
Isoniazid	Laniazid, Tubizid, INH	500,000
Isoproterenol HCI		500,000
Isoxsuprine HCI	Vasodilan, Voxsuprine	500,000
Kanamycin monosulfate	Kantrex	500,000
Ketamine HCl	Ketalar	500,000
Ketoprofen Labetalol	Orudis, Oruvail Normodyne, Trandate	500,000 500,000
LAMPA	Normouytie, Tranuale	2,500
Levorphanol tartrate	Levo-Dromoran	100,000
Levothyroxine (T ₄)	Synthroid	500,000
Lidocaine	Xylocaine	500,000
Lisinopril	Zestril	500,000
Lithium carbamate		500,000
Loperamide	lmodium	100,000
Lorazepam	Ativan	100,000
Lormetazepam		100,000
Loxapine succinate	Loxitane	500,000
d-Lysergic acid		100,000
Lysergic acid diethylamide (LSD)		2,500
Maprotiline HCI	Ludiomil	500,000
	Mebendacin, Mebutar,	
Mebendazole	Nemasole, Vermox	100,000
Medazepam	Nobrium	100,000
Medroxyprogesterone acetate	Amen, Curretab, Cycrin, Depo-Provera, Provera	100,000
Mefenamic acid	Ponstel, Ponstan	500,000
Melphalan	Alkeran	500,000
Meperidine	Demeral	100,000
Mephentermine hemisulfate	Wyamine	500,000
Mephenytoin	Mesamtoin	500,000
Mephobarbital	Mebaral	100,000
Mepivacaine HCl	Carbocaine, Isocaine,Polocaine	500,000
Mescaline	Peyote Polocairie	500,000
Mesoridazine	Serentil	500,000
Metanephrine HCI	00.03.41	500,000
Metaproterenol hemisulfate		
salt	Alupent, Metaprel	500,000
Metaraminol bitartrate	Aramine	500,000
Methadone	Dolophine	600,000
Methamphetamine	Desoxyn	100,000
d-Methamphetamine		100,000
I-Methamphetamine		100,000
Methapyriline		500,000
Methaqualone HCl	Normi-Nox, Pallidan, Somnomed, Quaalude	100,000
Metharbital	Gemonil	100,000
Methenamine	Hiprex, Mandameth, Mandelamine, Urex	500,000
Methocarbamol	Robamol, Delaxin	500,000
Methohexital		100,000
Methotrimeprazine maleate	Levoprone	500,000
Methoxamine HCI	Vasoxyl	500,000
Methoxyphenamine HCI		500,000
Methsuximide	Celontin	500,000
a-Methyl-L-dopa	Aldomet	500,000
Methylphenidate	Ritalin	100,000
Methyprylon Methyprylon	Noludar Regiae Octomide	100,000 500,000
Metoclopramide Metoprolol tartrate	Reglan, Octamide Lopressor	500,000
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CEDIA® Methadone Metabolite (EDDP) 100 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Metronidazole	Flagyl, Metizol, Protostat	500,000
Mianserin	Bolvidon, Lumin, Tolvon	500,000
Miconazole NO4	Monistat	500,000
Midazolam	Versed	500,000
Monoethylglycinexylidide HCI (MEGX)		500,000
Morphine SO ₄	MS Contin, MSIR, Oramorph SR, Roxanol	100,000
Morphine-3-b D-Glucuronide		100,000
Nadolol	Corgard	500,000
Nafcillin, Na+ salt	Unipen	500,000
Nalidixic acid, Na+salt	Neggram	500,000
Nalorphine HCI		100,000
Naloxone HCI	Narcan	500,000
Nattrexone HCI	Depade, Revia	500,000
Naphazoline HCl	AK-Con, Albalon, Clear Eyes, Comfort, Degest 2, Estivin II. I-Naphline, Muro's Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu-Zofine, Opcon, VasoClear	500,000
Naproxen Na+	Aleve, Anaprox, Naprosyn	500,000
Nelopam HCI	meve, viraprox, naprosyn	500,000
Neomycin SO ₄	Mycifradin Sulfate, Neo- Fradin, Neo-Tabs, Myciguent	500,000
Niacinamide (Nicotinamide)		500,000
Nialamide		500,000
Nicotine	Habitrol, Nicoderm, Nicorette, Nicotrol, ProStep	100,000
Nicotinic acid (Niacin)		500,000
Nifedipine	Procardia	500,000
Nitrazepam		100,000
Nitrofurantion	Macrobid	500,000
p-Nitrophenol		500,000
Norbuprenorphine		500,000
Norchlordiazepoxide		100,000
Norcodeine HCl		100,000
Nordiazepam (Desmethyldiazepam)		100,000
Nordouripramine		500,000
Nordoxepin HCI		500,000
I-Norepinephrine HCI	Levopod	500,000
Norethindrone	Aygestom, Micronor, Norlutin	500,000
Norfloxacin	Noroxin	500,000
d-Norgestrel	Ovrette	500,000
Normorphine H ₂ O		100,000
Normorphone	-	100,000
d-Norpropoxyphene		500,000
Nonacitie De HCI		
Nortriptyline HCI	Aventyl, Pamelor	500,000
Noscapine HCI		500,000
Nylidrin HCI		500,000
Octopamine HCI	F1	500,000
Officiacin	Floxin	500,000
Orotic Acid	Clausing Man-L Na-0	500,000
Orphenadrine HCI	Flexoject, Myophen, Norflex	500,000
Oxazepam Oxycodone HCl	Serax	100,000
	OxyContin	100,000
Oxymetazoline HCl	Dristan, Sinarest	500,000

N. C. C.	T . 1 . 1	Concentration
Negative Compounds	Trade Name	(ng/mL)
Oxymorphone	Numorphan	100,000
Oxyphenbutazone H₂O		500,000
Pargyline	Eutron	500,000
Penicillin G	Pfizerpen	500,000
Penicitiin V potassium	PenVee K, Robicillin VK, Veetids, V-Cillin K	500,000
Pentazocine HCI	Talwin	100,000
Pentobarbital	Nembutal	100,000
Pentoxifylline	Trental	500,000
Perphenazine	Trilaton	500,000
Phenacetin		500,000
Phenazopyridine HCI	Azo-Standard, Pyridium, Urodine	500,000
Phencyclidine (PCP)		100,000
Phendimetrazine bitartrate	Bontril, Plegine	100,000
Phenelzine SO ₄	Nardil, Parnate, Marplan	500,000
b-Phenethylamine HCI		500,000
Phenformin		500,000
Pheniramine	Trimeton	500,000
Phenobarbital	Luminal	100,000
Phenothiazine		100,000
Phenoxazine		500,000
Phensuximide	Milontin	500,000
Phentermine	Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine	100,000
Phentolamine HCI	Regitine, Vasomax	500,000
Phenylalanine		500,000
Phenylbutazone	Azorld, Butazolidin	100,000
Phenylcyclohexylamine		500,000
Phenylcyclopropylamine HCl		500,000
m-Phenylenediamine		500,000
Phenylpropanolamine	Acutrim, Dexatrim, Dura- Vent	500,000
Phenyltoloxamine citrate salt	Poly-Histine-D	500,000
Phthalic acid		500,000
Picrotoxin		500,000
Pipemidic acid		500,000
Piroxicam	Feldene	500,000
Potassium chloride	Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Łor, Kaon-CL, Slow-K, K-Norm, Ten-K	500,000
Potassium iodide	Pima, SSKI	500,000
Prazepam	Centrax	100,000
Prazosin HCI	Minipress	100,000
Prednisolone	Hydeltrasol (Injection)	500,000
Prednisone	Deltasone, Meticorten, Orasone, Stempred	100,000
Pregnenolone	, T. T. T. T. T. T. T. T. T. T. T. T. T.	500,000
Prilocaine HCI	Citanest	500,000
Primidone	Mysoline	500,000
Probenecid	Benemid, Benuryl, Probalan	500,000
Procainamide HCI	Procan SR, Procamide SR, Promine, Pronestyl, Pronestyl-SR, Procanbid	500,000
Procaine HCl	Novocain	500,000
Procyclidine HCI	Kemadrin	500,000
Progesterone	Crinone, Ovrette, Micronor, Nor-QD	500,000
Promazine	Primazine, Protine-50, Sparine	500,000



Negative Compounds	Trade Name	Concentration (ng/mL)
Promethazine HCI	Phenergan	500,000
Propiomazine	Largon	500,000
Propoxyphene	Darvon	100,000
Propranolol	Betachron, Inderal	500,000
Propylbenzene		500,000
Protriptyline HCI	Vivactil	500,000
I-Pseudoephedrine HCl	Sudafed	500,000
Pyridinium chlorochromate		500,000
Pyridoxine (Vitamine B6)	Nestrex	500,000
Pyrilamine maleate salt		500,000
Quinacrine 2HCl	Atabrine	500,000
Quinidine	Cardioquin, Cin-Quin, Duraquin, Novoquinidin, Quinaglute Dura-Tabs, Quinalan, Quinatime, Quinidex Extentabs, Quinora, Quin-Release	500,000
Quinine HCI	Quinamm, Quindan, Quiphile, Q-Vel, Strema	500,000
Quinine sulfate	Formula Q	500,000
Ranitidine HCI	Zantac	500,000
Rescinnamine	Moderil	100,000
Reserpine	Novoresperine, Resertia, Serpalan, Serparil	100,000
Retinoic acid		100,000
Rifampicin	Rifadin	500,000
Ritodrine HCI	Yutopar	500,000
licylic acid	Disalcid, Mono-Gesic, Salflex, Salgesic, Salsitab	100,000
Salicyluric acid	Tamen, designation, and an arrangement	500,000
Scopolamine HBr H ₂ O	Transderm-Scop	500,000
Secobarbital	Seconal	100,000
Strychnine		100,000
Sulfamethazine Na+		500,000
Sulfamethoxazole	Bactrim, Cotrim, Septra, Sulfamethoprim, Sulfatrim, Uroplus	500,000
Sulfathiazole Na+ salt	Sulfa-Gyn, Sulnac, Sultrin, Trysul, V.V.S.	500,000
Sulfisoxazole	Gantrisin	500,000
Sulindac	Clinoril	500,000
Talbutal		100,000
Tapentadol	Nucyrita	500,000
Temazepam	Restoril, Razepam,Temaz	100,000
Terbutaline 1/2 SO4	Brethaine, Brethine, Bricanyl	500,000
Terfenadine	Seldane	500,000
Tetracaine HCI	Ak-T-Caine, CepacolViractin, Pontocaine, Opticaine	500,000
Tetracycline	Achromycin V, Parimycin, Sumycin, Tettracyn, Robitet	500,000
Tetrahydrocortisone		500,000
Tetrahydrozoline HCI	Tyzine, Visine	500,000
Thanzylamine HCI		500,000
Theophylline	Aerolate, Asmalix, Elixophyllin, Quinbron, Respbid, Slo-Phyllin, Slo- bid, Theo-24, Theo-Dur,	500,000
Thiamine HCI	Theolair Betalins, Biamine	500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Thiothixene	Navane	500,000
Thyroxine		500,000
Timolol maleate	Betimol, Blocadren, Timoptic	500,000
Tocopherol phosphate disodium		500,000
m-Toluic acid		500,000
Tolbutamide	Orinase	500,000
Tolmetin	Talectin	500,000
p-Toluic acid		500,000
Tramadol	Ultram	500,000
Tranylcypromine HCI	Parnate	500,000
Trazodone HCI	Desyrel	500,000
Triamcinolone	Aristocort, Aristospan, Azmacort, Kenalog, Nasacort	500,000
Triamterene	Dyrenium	100,000
Triazolam	Halcion	70,000
Tribenzylamine		500,000
Triflupromazine HCl	Vesprin	500,000
Trihexyphenidyl HCl	Artane	500,000
Trimethobenzamide HCI	Arrestin, T-Gen, Tebamide, Tigan, Trimazide	62,500
Trimethoprim	Proloprim, Trimpex	500,000
Trimipramine maleate	Surmontil	500,000
Tripelennamine HCI	PBZ, PBZ-SR	500,000
Triprolidine HCI	Actagen-C, Allerfrin w/Codenine, Aprodine w/Codenine, Triacin-C, Trifed-C	500,000
Tropic acid		500,000
Tropine	1-Tropine, Ocu-Tropine	500,000
Tryptamine HCl		500,000
Tryptophan		500,000
Тугатіne		500,000
Tyrosine		500,000
Urea	Aquacare, Carmel, Grodon's Urea, Ureaphil	500,000
Uric acid		500,000
Verapamil HCI	Isoptin, Verelan	500,000
Warfarin	Coumadin	500,000
Zomepirac Na+ salt		500,000
Zoplicone	lmovane	500,000



CEDIA® Methamphetamine OFT (UK) 10 ng/mL cutoff

Positive Trade	Concentration
Compounds Name	(ng/mL)
Cytelenia yazania	31260
MDA	700
MDEA (3,4-MDE)	60
MOMA	16
Mediadrone	2,000
d-Methamphetamine	10
Synaphibia	68,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Acetaminophen		20,000
Acetylsalicylic Acid		20,000
Alprazolam		20,000
Amobarbital		20,000
Amoxicillin		20,000
d-amphetamine		500
I-amphetamine		1,000
Atropine		20,000
Benzoylecgonine		20,000
Butabarbitai		20,000
Butabital		20,000
Caffeine		20,000
Captopril		20,000
Chlordiazepoxide		20,000
Chlorpromazine		20,000
Cimetidine		20,000
Clonazepam		20,000
Clorazepate		20,000
Cocaine		20,000
Codeine		20,000
Cyclizine		20,000
Dextromethorphan		20,000
Diazepam		20,000
Digoxin		20,000
Enalapril		20,000
d-ephedrine		20,000
t-ephedrine		3,500
Fenfluramine		35
Fluoxetine		20,000
Gentisic Acid		20,000
Hydrocodone		20,000
Ibuprofen		20,000
Imipramine		20,000
Lidocaine		20,000
Loperamide		20,000
Medazepam		20,000
Meperidine		20,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Mephentermine		550
Methadone		20,000
I-Methamphetamine		75
PMA (4-methoxy-		700
amphetamine)		700
PMMA (4-methoxy-		4
amphetamine)		4
Metoprolol		10,000
Morphine		20,000
Nicotine		20,000
Nifedipine		20,000
Norchlordiazepoxide		20,000
Nordiazepam		20,000
Penicillin		20,000
Pentobarbital		20,000
Phencyclidine		20,000
Phenethylamine		2,600
Phenobarbital		20,000
Phentermine		10,000
Phenylephrine		11,000
Phenylpropanolamine		70,000
Proçainamide		1,000
Procaine		650
Propoxyphene		20,000
d-pseudoephedrine		2,200
l-pseudoephedrine		15,000
Ranitidine		4,000
Salicyluric Acid		20,000
Secobarbital		20,000
Temazepam		20,000
Theophylline		20,000
Tolmetin		20,000
Δ9-THC		20,000
11-nor-Δ9-THC-COOH		1,000
Verapamil		20,000
Zomepirac		20,000



CEDIA® Methamphetamine OFT (USA) 40 ng/mL cutoff

Positive Trade Compounds Name	Concentration (ng/mL)
Lydickerylernine	192,500
MDA	5,250
MDEA (3,4-MDE)	420
MDMA	120
Mentegrore	5,000
d-Methamphetamine	40
Synephtine	63,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Acetaminophen	name	60,000
Acetylsalicylic Acid		60,000
Alprazolam		30,000
Amobarbital		30,000
Amoxicillin		12,000
d-Amphetamine		2,700
d,l-Amphetamine		9,000
I-Amphetamine		13,500
Ampicillin	_	30,000
ropine		30,000
		
enzoylecgonine Butabarbital		60,000 30,000
Butabital		30,000
Caffeine	***	
Captopril		60,000
		60,000
Chlordiazepoxide		60,000
Chlorpromazine Cimetidine	_	30,000
		60,000
Clonazepam		30,000
Clorazepate		30,000
Cocaine	·- <u>-</u>	30,000
Codeine		12,000
Cotinine		30,000
Cyclizine		30,000
Dextromethorphan		30,000
Diazepam	_	60,000
Digoxin		12,000
Diphenhydramine		3,000,000
Doxylamine		3,000,000
Enalapril	·	60,000
d-Ephedrine	THE AMERICAN SERVICE S	300,000
d,I-Ephedrine		66,000
I-Ephedrine		42,000
Fenfluramine		300
Fluoxetine		60,000
Gentisic Acid		30,000
Hydrocodone		30,000
Hydromorphone		30,000
Ibuprofen		60,000
Imipramine		30,000
Isoxsuprine		3,000,000
Levothyroxine		6,000
docaine		30,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Loperamide		30,000
Medazepam		30,000
Meperidine		30,000
Mephentermine		4,500
Methadone		60,000
d,l-Methamphetamine		210
I-Methamphetamine		1,050
PMA (4-methoxy-		4.500
amphetamine)		4,500
PMMA (4-methoxy-		90
amphetamine)		
Metoproiol		30,000
Morphine		12,000
Nicotine		30,000
Nifedipine		60,000
Norchlordiazepoxide	· · · · · · · · · · · · · · · · · · ·	30,000
Nordiazepam		30,000
Penicillin		30,000
Pentobarbital		30,000
Phencyclidine		60,000
Phenethylamine		36,000
Phenobarbital	·	60,000
Phentermine		75,000
Phenylephrine		30,000
Phenylpropanolamine		1,200,000
Procainamide		6,000
Procaine	· · · · · · · · · · · · · · · · · · ·	75,000
Propoxyphene		60,000
d-pseudoephedrine		18,000
I-pseudoephedrine		42,000
Ranitidine		12,000
Salicyluric Acid		60,000
Secobarbital		60,000
Ternazepam		30,000
Theophylline		30,000
Tolmetin		30,000
Δ9-THC		30,000
11-nor-Δ9-THC-COOH		1,200
Verapamil		60,000
Zomepirac	***************************************	30,000
		····



CEDIA® Opiate 300 ng/mL cutoff

Positive Compounds	Trade Name	Concentration (ng/mL)
6-Monoacetylmorphine		370
Clomipramine HCI	Anafranil	500,000
Codeine		240
Cyclazocine		500,000
Cyamemazine		31,125
Diacetylmorphine	Heroin	570
Dihydrocodeine	DHC Plus, Synalgos-DC	600
Hydrocodone	Lortab, Vicodin	630
Hydromorphone	Dilaudid	530
Imipramine	Tofranil	19,000
Leverphanol tartrate	Levo-Dromoran	100,000
Morphine		300
Morphine SO4	MS Contin, MSIR,	100,000
Mulphine 304	Oramorph SR, Roxanol	100,000
Morphine-3-glucuronide		370
Morphine-6-glucuronide		640
Nalorphine HCI		100,000
Naloxone	Narcan	6,000
Naltrexone HCI	Depade, ReVia	50,000
Ofloxacin	Floxin	100,000
Oxycodone	OxyContin	9,700
Oxymorphone	Numorphan	16,000
Pholcodine		500
Prothipendyl		375,000
Rifampin	Rifadin	65,000
Thebaine		1,250

Negative	Trade Name	Concentration
Compounds	Trade Hains	(ng/mL)
1,3-Dimethylbarbituric acid		500,000
10,11-		500,000
Dihydrocarbamazepine		300,000
1-Phenylcyclohexylamine		500,000
4-OH-PCP HCI		500,000
5,5-Diphenylhydantoin (Phenytoin)	Dilantin	500,000
5-Hydroxyindole-2- carboxylic acid		500,000
5-Hydroxyindole-3-acetic acid		500,000
5-Hydroxytryptamine		500,000
(Serotonin)		300,000
8,11-di-OH-D9-THC		100,000
11-nor-D9-THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetanilide		500,000
Acetazolamide	Diamox, Acetazolam	500,000
N-Acetyl-I-cysteine	Mucomyst, Mucosil, Parvolex	500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
N-Acetylprocainamide		500,000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	100,000
Albutorol	Salbutamol, Proventil,	500,000
Albuterol	Ventolin	500,000
Allobarbital	Asmac, Cibalgine, Diadol, Dially Barbituric Acid, Dial, Malitum, Sornnocodal	100,000
Allopurinol	Alfeprim, Apo-Allepurinol, Lopurin, Novepurol, Purhol	500,000
Alphaprodine HCl		100,000
Alphenal	Alphenate, Allofenyl, Efrodal, Fenallymal	100,000
Alprazolam	Tafil, Valeans, Xanax, Xandor	100,000
a-OH-Alprazolam		100,000
Alprenolol HCl		500,000
Amantadine HCI	Symadine, Symmentrel	500,000
p-Aminobenzoic Acid (PABA)		500,000
Aminoglutethimide	Cytadren, Orimelen	500,000
Aminopyrine		500,000
Amitriptyline HCI	Elavil, Endep, Enovil, Emitrip	140,000
Ammonium Chloride		500,000
Amobarbital	Amytal	100,000
Amoxapine	Asendin	500,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymox	100,000
Amphetamine		500,000
Ampicillin Na+salt	Omnipen, Polycillin, Principen,	500,000
Ampicillin anhydrous		500,000
Aniline HCI		500,000
Aprobarbital	Alurate	100,000
I-Ascorbic acid	Ascorbicap, Cebid, Cecon, Cevalin, Flavorose, Nice, Vita-C	500,000
Aspartame	Equal, Nutrasweet	500,000
Astemizole	Hismanal	135,000
Atenolol	Tenormin	500,000
Atropine SO ₄ monohydrate	Atropen, Attropisol, Atrosulf, Saltropine	250,000
Aviosulfon	Dapsone	10,000
Azithromycin	Zithromax	100,000
Barbital	Deba	100,000
Barbituric acid		500,000
Beclomethasone dipropionate	Beclovent	100,000
Bernegride		500,000
Benactyzine		150,000
Benzocaine	Anbesol, Americaine, Otic, Hurricaine, Orajel, Zilactin	500,000
Benzoic acid	Atrosept, Dolsed, Prosed, UAA, Uridon, Urised, Uritab, Uritin	500,000
Benzonatate	Tessalon	500,000
		500,000
benzobnenane		
Benzophenone Benztropine mesylate	Conentin	15 0 000
Benztropine mesylate	Cogentin	150,000 500,000
	Cogentin	150,000 500,000 500,000

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CEDIA® Opiate 300 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Bromazepam	Lectopam	100,000
Bromocriptine mesylate	Ergoset, Parlodel	500,000
Brompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	500,000
Bupivacaine	Marcaine, Sensorcaine	500,000
Buprenorphine	Buprenex	100,000
Bupropion	Wellbutrin, Zyban	100,000
Buspirone HCI	Buspar	300,000
Butabarbital	Butisol, Buticaps, Busodium	100,000
Butalbital	Butalgen, Fiorgen, Fiorinal, Fiormor, Isobutyl, Isolin, Isollyl, Laninoif	100,000
Butethal	Etoval	100,000
Butorphanol	Stadol	500,000
Butyrophenone		500,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	500,000
Calcium hypochlorite		500,000
Captopril	Capoten	500,000
Carbamazepine	Atretol, Carbatrel, Tegretol	500,000
Carbamazepine-10, 11- Epoxide		500,000
risoprodol	Rela, Sodol, Soma, Soprodol, Soridel	500,000
cefadroxil monohydrate	Duricet, Ultracef	500,000
Cefuroxime Na*	Zinacef	500,000
Cephalexin H ₂ O	Cefanex, Keflex	500,000
Cephaloridine		500,000
Cephradine Chloramphenicol	Velosef, Anspor Chloroptic, Chloromycetin, Ocu-Chlor	500,000 500,000
Chlordiazepoxide	Libritabs, Librium, Sereen	100,000
Chloroquine PO ₄	Aralen	500,000
Chlorothiazide	Diuril	500,000
Chlorotrianisene	Tace	100,000
Chlorpheniramine maleate	Aller-Chlor, Chlor-Trimeton, Edifac 24, Chlorphenamine	500,000
Chlorpromazine HCl	Thorazine	100,000
Chlorpropamide	Diabinese, Glucamide	500,000
Chlorprothixene	Taractan	500,000
Chlorzoxazone	Paraflex, Parafon Forte DSC	500,000
Cholesterol		500,000
Cimetidine	Tagamet	500,000
Cinoxacin	Cinobac	500,000
Ciprofloxacin HCl	Cipnol	500,000
Citalopram HBr	Celexa, Cipramil	125,000
Clemastine fumarate	Anithist-1, Tavist	500,000
Clindamycin	Cleodin	500,000
Clonazepam	Klonopin	100,000
Clonidine HCl	Catapres	100,000
		500 222
Clotrimazole	Mycelex Cloxapen, Dynapen,	500,000 500,000
	Mycelex	500,000 500,000 100,000

Negative Compounds	Trade Name	Concentration (ng/mL)
	A-HydroCort, Hydrocortone	
Cortisol	Acetate, Solu-Cortef, Hydrocortisone	500,000
Cortisone	Cortone	500,000
(-)Cotinine		500,000
Creatine hemisulphate		500,000
Cyclizine	Happytrip, Marezine	135,000
Cyclobenzaprine	Cycloflex, Flexeril	200,000
Cyclohexylamine	•	500,000
Cyclopentobarbital		100,000
Cyclophosphamide H₂O	Cytoxan, Neosar	500,000
Cyproheptadine	Periactin	100,000
Demoxepam		500,000
Deoxycorticosterone		500,000
Deoxyepinephrine HCI		500,000
Desalkylfurazepam		500,000
Desipramine HCI	Norpramin, Petrofrane	120,000
o-Desmethylvenlafaxine		1,000,000
	Benylin DM, Delsym, Hold,	
Dextromethorphan HBr	Perfussin 8 hr. Mediquell, Sucrets	500,000
Diazepam	Valium, Valrelease, Vazepam	100,000
Dibucaine HCI	Nipercainal	500,000
	Cataflam, Pennsaid,	
Diclofenac	Voltaren	500,000
Dicylomine HCI	Antipas, Bentyl Hydrochloride, Dibent,	70,000
District and the second	Dilomine	F00 000
Diethylsuccinate Diflunisal	Dalabid	500,000
	Dolobid	500,000 100,000
Digoxin	Lanoxin Cardizem, Dilacor,	100,000
Diltiazem HCl	Oilitazem, Tiazac	500,000
· · · · · · · · · · · · · · · · · · ·	Banophen, Benadryl,	
Diphenhydramine HCI	Diphedryl, Simply Sleep	500,000
Diphenoxylate HCl	Lomotil	100,000
Dipyridamole	Persantine, Permole	100,000
Disulfiram	Antabuse	500,000
I-Dopa	Dopar, Larodopa	500,000
Dopamine HCI	Dopastat, Intropin	500,000
Doxepin HCI	Adapin, Sinequan	200,000
Doxycycline	Vibramycin, Monodox	100,000
Doxylamine	Decapryn, Nighttime Sleep Aid, Unisom	100,000
Dronabinol (D ^o -THC)	Marinol	100,000
Dyclonine HCI	Sucrets	500,000
Ecgonine		100,000
Ecgonine Methyl Ester		100,000
EDDP (Primary Methadone Metabolite)	•	62,500
EMDP (Secondary Methadone Metabolite)		500,000
Enalapril maleate	Vasotec	500,000
Ephedrine	Kondon's Nasal, Pertz-D	500,000
I-Epinephrine	Adrenalin, AsthmaHaler, Bronition, Epifrin Primatene, Vaponefrin	100,000
l-Erythromycin	AK-Mycin, E-Mycin, Eryc, Ery-Tabs, llosone, Wyamycin	500,000

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CEDIA® Opiate 300 ng/mL cutoff

Negative		Concentration
Compounds	Trade Name	Concentration (ng/mL)
b-Estradiol (E-2)	Alora, Climara, Delestrogen, DepGynogen, Depo-Estradiol, Depogen, E-Cypionae, Esclim, Estinyt, Estrace, Estraderm, Estragyn LA 5, Estring, EstroCyp, Estro-L.A., FemPatch, Gynodiol, Gynodiol, Gynogen L.A., Innofem, Menaval, Noven, Vagifem, Valergen, Vivelle, Vievelle-Dot	500,000
Estriol (E3)	***************************************	100,000
Estrone-3-Sulfate, Na+(E-1)	Estragyn, Estratab, Kestrone, Menest, Ogen, Ortho-Est	500,000
Ethambutol 2HCI	Myambutol	500,000
Ethamivan		500,000
Ethinamate		100,000
Ethinyl Estradiol	Estinyl	100,000
Famotidine	Pepcid, Pepcid AC	500,000
Fenfluramine HCI	Pondimin	100,000
Fenoprofen	Nalfon	500,000
Fentanyl citrate	Duragesic, Actiq, Sublimaze	100,000
Fluconazole	Diflucan	1,000,000
Flufenamic acid		500,000
Flunitrazepam	Rohypnol	100,000
Fluoxetine HCI	Prozac, Sarafem	500,000
Fluphenazine HCI	Prolixin	100,000
	the contraction of the property of the contraction	
Flupirting Maleate		#40A.00
Flupiring Maleate Flurazepam	Dalmane, Durapam	750,000 50,000
Pupiring Madeite Flurazepam Flurbiprofen	Dalmane, Durapam Ansaid	50,000 500,000
Fluriting Maleate Flurazepam Flurbiprofen Furosemide	Dalmane, Durapam Ansaid Lasix	50,000 50,000 500,000 500,000
Fluoring Makate Flurazepam Flurbiprofen Furosemide Gabapentin	Dalmane, Durapam Ansaid	50,000 500,000 500,000 100,000
Fluoring Makate Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid	Dalmane, Durapam Ansaid Lasix	50,000 500,000 500,000 100,000 500,000
Fluoring Makate Flurazepam Flurbiprofen Furosemide Gabapentin	Dalmane, Durapam Ansaid Lasix	50,000 500,000 500,000 100,000
Fluration Makate Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide,	50,000 500,000 500,000 100,000 500,000 100,000
Fluriting Makette Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase	50,000 500,000 500,000 100,000 500,000 100,000 500,000
Fluriting Marcele Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral,	50,000 500,000 500,000 100,000 500,000 100,000 500,000 500,000
Fluction Marche Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin)	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss	50,000 500,000 500,000 100,000 500,000 100,000 500,000 500,000 100,000
Fluction Marche Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO ₄ Halazepam Haloperidol	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin	50,000 500,000 500,000 100,000 100,000 500,000 500,000 100,000 500,000 100,000 500,000 500,000
Flupring Macete Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO ₄ Halazepam Haloperidol Hexobarbital	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin Paxipam	50,000 500,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 100,000
Fluction Macate Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO ₄ Halazepam Haloperidol Hexobarbital Hippuric Acid	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin Paxipam Haldol, Peridol	50,000 500,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 500,000
Flupring Macete Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO ₄ Halazepam Haloperidol Hexobarbital	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin Paxipam Haldol, Peridol Apresoline	50,000 500,000 500,000 100,000 100,000 500,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000
Fluction Marche Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO ₄ Halazepam Haloperidol Hexobarbital Hippuric Acid Hydrachlorothiazide	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin Paxipam Haldol, Peridol	50,000 500,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000
Fluction Marche Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO ₄ Halazepam Haloperidol Hexobarbital Hippuric Acid Hydralazine Hydrochlorothiazide Hydroxyephedrine	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin Paxipam Haldol, Peridol Apresoline Esidrix, Hydro-DIURIL,	50,000 500,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000
Fluction Marche Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO ₄ Halazepam Haloperidol Hexobarbital Hippuric Acid Hydrachlorothiazide	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin Paxipam Haldol, Peridol Apresoline Esidrix, Hydro-DlURIL, Hydro-D, Oretic	50,000 500,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000
Fluction Marche Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO ₄ Halazepam Haloperidol Hexobarbital Hippunic Acid Hydralazine Hydrocyphenobarbital Hydroxyphenobarbital Hydroxyzine HCI	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin Paxipam Haldol, Peridol Apresoline Esidrix, Hydro-DIURIL, Hydro-D, Oretic Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50	50,000 500,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000
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Fluction Macate Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO4 Halazepam Haloperidol Hexobarbital Hippunic Acid Hydralazine Hydroxyephedrine p-Hydroxyphenobarbital Hydroxyzine HCl Hyoscyamine	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin Paxipam Haldol, Peridol Apresoline Esidrix, Hydro-DIURIL, Hydro-D, Oretic Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50 Levsin Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	50,000 500,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000
Fluriting Marchia Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO4 Halazepam Haloperidol Hexobarbital Hippuric Acid Hydralazine Hydroxyphenobarbital Hydroxyzine HCl Hyoscyamine Ibuproferi	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin Paxipam Haldol, Peridol Apresoline Esidrix, Hydro-DIURIL, Hydro-D, Oretic Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50 Levsin Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen Lozol	50,000 500,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000
Fluction Marche Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO4 Halazepam Haloperidol Hexobarbital Hippuric Acid Hydralazine Hydroxyphenobarbital Hydroxyzine HCl Hyoscyamine Ibuprofen Indapamide Indole-3-acetic acid	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin Paxipam Haldol, Peridol Apresoline Esidrix, Hydro-DIURIL, Hydro-D, Oretic Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50 Levsin Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen Lozol Heteroauxin, Rhizopin	50,000 500,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000
Fluriting Marchia Flurazepam Flurbiprofen Furosemide Gabapentin Gentisic acid Glutethimide Glyburide Glycopyrrolate Guaiacol Glycerol Ether (Guaifenesin) Guanethidine SO4 Halazepam Haloperidol Hexobarbital Hippuric Acid Hydralazine Hydroxyphenobarbital Hydroxyzine HCl Hyoscyamine Ibuproferi	Dalmane, Durapam Ansaid Lasix Neurontin Diabeta, Glybenclamide, Micronase Robinul Actifed, Drixoral, Robitussin, Hytuss Ismelin Paxipam Haldol, Peridol Apresoline Esidrix, Hydro-DIURIL, Hydro-D, Oretic Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50 Levsin Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen Lozol	50,000 500,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 100,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
Insu li n chain b, oxidized	Humalog, Humuline, Iletin, Lantus, Novolin, NovoRapid, NovoLog, Oralin, Velosulin	500,000
lpratropium Br	Attrovent	500,000
proniazid PO ₄ Salt		500,000
Isoetharine mesylate	Bronkomrter, Bronkosof, Dey-Dose, Dey-Lute, Isoetharine	500,000
Isoniazid	Laniazid, Tubizid, INH	500,000
Isoproterenol HCI	Isuprel	500,000
Isoxsuprine HCI	Vasodilan, Voxsuprine	500,000
Kanamycin SO ₄	Kantrex	500,000
Ketamine HCl	Ketalar	500,000
Ketoprofen	Orudis, Oruvail	500,000
Labetalol	Normodyne, Trandate	500,000
Lamivudine	Epivir	1,000,000
LAMPA	Lavania	100,000
Levofloxacin Levothyroxine (T ₄)	Levaquin Synthroid	50,000
Levotnyroxine (14)	Synthroid Xylocaine	50,000 500,000
Lidocaine Lisinopril	Zestril	500,000
Lithium carbonate	Zesur	500,000
Lighter Carbonate Loperamide	Imodium	500,000
Loratadine	Claritin	10,000
Lorazepam	Ativan	100,000
Lormetazepam	Auvan	100,000
Loxapine succinate	Loxitane	250,000
d-Lysergic Acid	LOXIGIE	100,000
Lysergic Acid Diethylamide (LSD)		100,000
Maprotiline HCI	Ludiomil	500,000
Mebendazole	Mebendacin, Mebutar, Nemasole, Vermox	100,000
Medazepam	Nobrium	100,000
Mefenamic acid	Ponstel, Ponstan	500,000
Melphalan	Alkeran	200,000
Meperidine	Demerol	150,000
Mephentermine hemisulfate	Wyamine	500,000
Mephenytoin	Mesamtoin	500,000
Mephobarbital	Mebaral	100,000
Mepivacaine HCI	Carbocaine, Isocaine, Polocaine	500,000
Mescaline	Peyote	500,000
Mesoridazine	Serentil	150,000
Metanephrine HCI Metaproterenol hemisulfate	Alupent, Metaprel	500,000 500,000
salt Metaraminol bitartrate	Aramine	500,000
Methadone HCI	Dolophine	500,000
Methamphetamine	Desoxyn	500,000
Methaqualone HCI	Normi-Nox, Pallidan, Somnomed, Quaalude	100,000
Metharbital	Gemonil	100,000
Methenamine mandelate	Hiprex, Mandameth, Mandelamine, Urex	500,000
Methocarbamol	Robamol, Delaxin	500,000
Methotrimeprazine maleate	Levoprone	55,000
Methoxamine HCI	Vasoxyl	500,000
		500,000
		500,00

Clinical Diagnostics

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CEDIA® Opiate 300 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
a-Methyl-L-dopa	Aldomet	500,000
Methylphenidate	Ritalin	100,000
Methyprylon	Noludar	100,000
Metoclopramide	Reglan, Octamide	500,000
Metoprolol Tartrate	Lopressor	500,000
Metronidazole	Flagyl, Metizol, Protostat	500,000
Mianserin	Bolvidon, Lumin, Tolvon	65,000
Viconazole	Monistat	500,000
Viidazolam	Versed	500,000
Manoethylglycinexylidide HCI (MEGX)		500,000
Nadolol	Corgard	500,000
Nafcillin Na+salt	Unipen	500,000
Nalidixic acid Na+salt	Neggram	500,000
Naphazoline HCI	AK-Con, Albałon, Clear Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu-Zoline, Opcon, VasoClear	500,000
Naproxen Na+	Aleve, Anaprox, Naprosyn	500,000
Velfinavir	Viracept	500,000
Neomycin SO ₄	Mycifradin Sulfate, NeopFradin, Neo-Tabs, Myciguent	500,000
Viacinamide (Nicotinamide)		500,000
slamide		500,000
Nicotine	Habitrol, Nicoderm, Nicorette, Nictrolm ProStep	100,000
Nicotinic Acid (Niacin)		500,000
Nifedipine	Procardia	500,000
Nitrazepam		100,000
Vitrofurantoin	Macrobid	500,000
o-Nitrophenol		500,000
Vorchlordiazepoxide		100,000
Vorcodeine HCI		30,000
Nordiazepam (Desmethyldiazepam)		100,000
Nordoxepin HCl		500,000
-Norepinephrine HCI	Levophed	500,000
Norethindrone	Aygestorn, Micronor, Nortutin	500,000
Vorfloxacin	Noroxin	500,000
Norgestrel	Ovrette	500,000
Normorphine H ₂ O		40,000
Naroxymorphone		100,000
d-Norpropoxyphene		500,000
Nortriptyline HCl	Aventyl, Pamelor	300,000
Voscapine HCI		500,000
Nylidrin HCl		500,000
Octopamine HCI		500,000
Ofloxacin	Floxin	50,000
Orotic Acid		500,000
Orphenadrine HCI	Flexoject, Myophen, Norflex	500,000
Oxazepam	Serax	100,000
Oxymetazoline HCI	Dristan, Sinarest	500,000
Oxyphenbutazone		500,000
Pargyline Paroxetine	Eutron Paxil	500,000 100,000

Negative		Concentration
Compounds	Trade Name	(ng/mL)
Penicillin V potassium	PenVee K, Robicillin VK, Veetids, V-Cillin K	500,000
Pentazocine HCI	Talwin	100,000
Pentobarbital	Nembutal	100,000
Pentoxifylline	Trental	500,000
Perphenazine	Trilafon	500,000
Phenacetin		500,000
Phencyclidine (PCP)		500,000
Phendimetrazine bitartrate	Bontril, Plegine	100,000
Phenelzine SO ₄	Nardil, Parnate, Marplan	500,000
b-Phenethylamine HCI		500,000
Phenformin	T.I. also	500,000
Pheniramine Phanabatital	Trimeton	500,000 500,000
Phenobarbital Phenothiazine	Luminal	100,000
Phentermine	Adipex, Fastin, tonamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine	100,000
Phentolamine HCI	Regitine, Vasomax	500,000
Phenylbutazone	Azorld, Butazolidin	100,000
m-Phenylenediamine		500,000
Phenylpropanolamine	Acutrim, Dexatrim, Dura- Vent	500,000
Phenyltoloxamine citrate salt	Poly-Histine-D	500,000
Phthalic acid		500,000
Picrotoxin		500,000
Pípemidic acid		500,000
Piroxicam	Feldene	500,000
Potassium Chloride	Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Lor, Kaon-CL, Slow-K, K-Norm, Ten-K	500,000
Potassium lodide	Pima, SSKI	500,000
Prazepam	Centrax	100,000
Prazosin HCI	Minipress	100,000
Prednisolone	Hydeltrasol (Injection)	500,000
Prednisone	Deltasone, Meticorten, Orasone, Stempred	100,000
Prilocaine HCI	Citanest	500,000
Primidone	Mysoline	500,000
Probenecid	Benemid, Benuryl, Probalan	500,000
Procainamide HCI	Procan SR, Procamide SR, Promine, Pronestyl, Pronestyl-SR, Procanbid	500,000
Procaine HCl	Novocain	200,000
Procydidine HCI	Kemadrin	500,000
Promazine	Primazine, Protine-50, Sparine	130,000
Promethazine HCI	Phenergan	500,000
Propiomazine	Largon	500,000
Propoxyphene		100,000
Propranolol	Betachron, Inderal	500,000
Propylbenzene		500,000
Protriptyline HCI	Vivactil	500,000
I-Pseudoephedrine HCI	Sudafed	500,000
Pyridinium chlorochromate		500,000
Pyridoxine (Vitamin B ₆)	Nestrex	500,000
Pyrilamine maleate salt		500,000
Quinacrine 2HCl	Atabrine	500,000



CEDIA® Opiate 300 ng/mL cutoff

Negative	Trade Name	Concentration
Compounds	Cardioquin, Cin-Quin, Duraquin, Novoquinidin, Quinagiute Dura-Tabs,	(ng/mL)
Quinidine	Quinalan, Quinatime, Quinidex Extentabs, Quinora, Quin-Release	500,000
Quinine HCI	Quinamm, Quindan, Quiphile, Q-Vel, Strema	500,000
Quinine sulfate	Formula Q	500,000
Ranitidine HCI	Zantac	500,000
Rescinnamine	Moderil	100,000
Reserpine	Novoresperine, Resertia, Serpalan, Serparil	100,000
Risperidone	Risperdal	100,000
Ritodrine HCI	Yutopar Disalcid, Mono-Gesic,	500,000
Salicylic acid	Salflex, Salgesic, Salsitab	100,000
Salicyluric acid	Transdom Con	500,000
Scopolamine HBr H ₂ O	Transderm-Scop	500,000
Secobarbital Stavudine	Seconal Zerit	500,000 1,000,000
Strychnine	스테	35,000
Sulfamethazine Na*		500,000
Odnaric marino isa	Bactrim, Cotrim, Septra,	300,000
Sulfamethoxazole	Sulfamethoprim, Sulfatrim, Uroplus	500,000
Sulfathiazole Na+salt	Sulfa-Gyn, Sulnac, Sultrin, Trysul, V.V.S.	500,000
Sulfisoxazole	Gantrisin	500,000
Sulindac	Clinoril	500,000
Talbutal		100,000
Tapentadol	Nucynta	500,000
Temazepam	Restoril, Razepam, Temaz	100,000
Terbutaline 1/2 SO ₄	Brethaine, Brethine, Bricanyl	500,000
Terfenadine	Seldane	500,000
Tetracaine HCI	Ak-T-Caine, CepacolViractin, Pontocaine, Opticaine	500,000
Tetracycline	Achromycin V, Parimycin, Sumycin, Tettracyn, Robitet	500,000
Tetrahydrocortisone		500,000
Tetrahydrozoline HCI	Tyzine, Visine	500,000
	Aerolate, Asmalix,	
Theophylline	Elixophyllin, Quibron, Respbid, Slo-Phyllin, Sto- bid, Theo-24, Theo-Dur, Theolair	500,000
Theophylline Thiamine HCl	Resphid, Sto-Phyllin, Sto-	
	Resphid, Slo-Phyllin, Sto- bid, Theo-24, Theo-Dur, Theolair	500,000 500,000 500,000
Thiamine HCI Thioridazine HCI Thiothixene	Respbid, Slo-Phyllin, Sto- bid, Theo-24, Theo-Dur, Theolair Betalins, Biamine	500,000 500,000 500,000
Thiamine HCI Thioridazine HCI Thiothixene Thonzylamine	Resphid, Slo-Phyllin, Sto- bid, Theo-24, Theo-Dur, Theolair Betalins, Biamine Mellaril	500,000 500,000 500,000 500,000
Thiamine HCI Thioridazine HCI Thiothixene	Resphid, Slo-Phyllin, Sto- bid, Theo-24, Theo-Dur, Theolair Betalins, Biamine Mellaril Navane	500,000 500,000 500,000
Thiamine HCI Thioridazine HCI Thiothixene Thonzylamine	Resphid, Slo-Phyllin, Sto- bid, Theo-24, Theo-Dur, Theolair Betalins, Biamine Mellaril	500,000 500,000 500,000 500,000 500,000
Thiamine HCl Thioridazine HCl Thioridazine HCl Thioridazine Thonzylamine Thyroxine	Resphid, Sto-Phyllin, Sto- bid, Theo-24, Theo-Dur, Theotair Betalins, Biamine Mellaril Navane Betimol, Blocadren, Timoptic Orinase	500,000 500,000 500,000 500,000 500,000 500,000
Thiamine HCl Thioridazine HCl Thiothixene Thonzylamine Thyroxine Timolol Maleate Tolbutamide Tolmetin	Resphid, Sto-Phyllin, Sto- bid, Theo-24, Theo-Dur, Theotair Betalins, Biamine Mellaril Navane Betimol, Blocadren, Timoptic	500,000 500,000 500,000 500,000 500,000 500,000 500,000
Thiamine HCl Thioridazine HCl Thiothixene Thonzylamine Thyroxine Timolol Maleate Tolbutamide Tolmetin Toluic Acid	Resphid, Sto-Phyllin, Sto- bid, Theo-24, Theo-Dur, Theotair Betalins, Biamine Mellaril Navane Betimol, Blocadren, Timoptic Orinase Tolectin	500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000
Thiamine HCl Thioridazine HCl Thiothixene Thonzylamine Thyroxine Timolol Maleate Tolbutamide Tolmetin	Resphid, Sto-Phyllin, Sto- bid, Theo-24, Theo-Dur, Theotair Betalins, Biamine Mellaril Navane Betimol, Blocadren, Timoptic Orinase	500,000 500,000 500,000 500,000 500,000 500,000 500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
	Aristocort, Aristospan,	
Triamcinolone	Azmacort, Kenalog,	500,000
	Nasacort	
Triamterene	Dyrenium	100,000
Triazolam	Halcion	100,000
Tribenzylamine		500,000
Trifluoperazine HCI	Stelazine, Suprazine	200,000
Triflupromazine HCI	Vesprin	140,000
Trihexyphenidyl HCl	Artane	500,000
Trimethobenzamide HCI	Arrestin, T-Gen, Tebamide, Tigan, Trimazide	62,500
Trimethoprim	Proloprim, Trimpex	500,000
Trimipramine maleate	Surmontil	50,000
Tripelennamine HCI	PBZ, PBZ-SR	500,000
Triprolidine HCI	Actagen, Allerfrin, Aprodine	190,000
Tropic Acid		500,000
Тгоріпе	1-Tropine, Ocu-Tropine	500,000
Tryptamine HCI		500,000
Tryptophan		500,000
Tyramine		500,000
Tyrosine		500,000
Urea	Aquacare, Carmel, Grodon's Urea, Ureaphil	500,000
Uric Acid		500,000
Venlafaxine	Effexor	1,000,000
Verapamil HCI	Isoptin, Verelan	500,000
Warfarin	Coumadin	500,000
Zolpidem hemitartrate	Ambien	200,000
Zomepirac		500,000
Zoplicone	Imoyane	50,000



CEDIA® Opiate 2000 ng/mL cutoff

Positive Compounds	Trade Name	Concentrations (ngint)
6-Monoacety!morphine		2,500
Codeine		1,900
Cyamemazine		125,000
Diacetylmorphine	Heroin	3,100
Dihydrocodeine	DHC Plus, Synalgos-DC	2,300
Ethylmorphine		2,500
Hydrocodone	Lortab, Vicodin	2,600
Hydromorphone	Dilaudid	2,500
Imipramine	Tofranil	87,000
Levorphanol tartrate	Levo-Dromoran	100,000
Morphine		2,000
Morphine-3-Glucuronide		3,200
Morphine-6-Glucuronide		3,500
Naloxone	Narcan	60,000
Nalorphine		2,000
Oxycodone	OxyContin, Percocet	51,000
Oxymorphone	Numorphan	83,000
Pholcodine		4,000
Prothipendyl		8,000,000
rebaine		7,000

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Negative Compounds	T <i>rade</i> Name	Concentration (ng/mL)
Benzoylecgonine		500,000
Buprenorphine	Buprenex	500,000
Bupropion	Wellbutrin, Zyban	100,000
Captopril	Capoten	500,000
Chlordiazepoxide	Libritabs, Librium, Sereen	100,000
Cfilorzoxazone	Paraflex, Parafon Forte DSC	500,000
Cimetidine	Tagamet	500,000
Clemastine furnarate	Anithist-1, Tavist	500,000
Clomipramine	Anafranil	90,000
Clonidine HCI	Catapress	100,000
Cyproheptadine	Periactin	110,000
Dapsone	Avlosulfon	200,000
Desipramine	Norpramin, Petrofrane	670,000
o-desmethylvenlafaxine		1,000,000
Dextromethorphan HBr	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	1,000,000
Diazepam	Valium, Valrelease, Vazepam	500,000
Digoxin	Lanoxin	100,000
Doxycycline	Vibramycin, Monodox	100,000
Dronabinol (D9-THC)	Marinol	10,000
Enalapril	Vasotec	500,000
Fentanyl citrate	Duragesic, Actiq, Sublimaze	10,000
Fluconazole >	Diflucan	1,000,000
Fluoxetine	Prozac, Sarafern	500,000
Performant Value (1997)		
Gabapentin	Neurontin	100,000
Hydroxyzine 2HCI	Atarax	100,000
Hyoscyamine	Levsin	100,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	500,000
Lamivudine	Epivir	1,000,000
Lamotrigine	Lamictal	1,000,000
Levofloxacin	Levaquin	100,000
Levothyroxine (T ₄)	Synthroid	50,000
Loratadine	Claritin	10,000
Meperidine	Demerol	1,000,000
Mescaline	Peyote	500,000
Methadone	Dolophine	500,000
Methamphetamine	Desoxyn	500,000

Negative Compounds	Trade Name	Concentration (ng/mL)
11-nor-D9-THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetylsalicylic acid	Aspirin	500,000
Acyclovir	Zovirax	100,000
Amitriptyline	Elevil	223,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymox	100,000
Amphetamine		500,000
Azithromycin	Zithromax	100,000
enzophenone		500,000

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CEDIA® Opiate 2000 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Methotrimeprazine	Levoproпе	190,000
3, 4 Methylenedioxypyrovalerone (MDPV)	Bath Salt	500,000
Metronidazole	Flagyl, Metizol, Protostat	100,000
Midazolam	Versed	500,000
Nifedipine	Procardia	500,000
Norcodeine		77,000
Norfluoxetine HCI		1,000,000
N-Normorphine		250,000
Noroxymorphone		1,000,000
Offoxacin	Floxin	100,000
Omeprazole	Prilosec	1,000,000
Paroxetine	Paxil	100,000
Phencyclidine (PCP)		500,000
Phenobarbital	Luminal	500,000
Promazine	Primazine, Protine-50, Sparine	250,000
Propoxyphene	Darvon	500,000
Ranitidine HCl	Zantac	500,000
Rifampicin	Rifadin	250,000
Risperidone	Risperdol	100,000
Salicylic acid	Disalcid, Mono-Gesic, Salflex, Salgesic, Salsitab	500,000
Salicyluric acid		500,000
Secobarbital	Seconal	500,000
Spironolactone	Novospiroton, Aldactone	1,000,000
Stavudine	Zerit	1,000,000
Tapentadol	Nucynta	500,000
Terbinafine	Lamisil	1,000,000
Thyroxine		50,000
Tolmetin	Tolectin	500,000
Tramadol	Ultram	500,000
Triflupromazine HCI	Vesprin	570,000
Trimipramine maleate	Surmontil	95,000
Venlafaxine	Effexor	1,000,000
Verapamil HCI	Isoptin, Verelan	500,000



CEDIA® Phencyclidine (PCP) 25 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
1, 3-Dimethylbarbituric acid		500,000
10, 11-Dihydro- carbamazepine		500,000
5,5-Diphenylhydantoin (Phenytoin)	Dilantin	500,000
5-Hydroxyindole-2- carboxylic acid		500,000
5-Hydroxyindole-3-acetic acid		500,000
5-Hydroxytryptamine (Serotonin)		500,000
3, 4 Methylenedioxy- pyrovalerone (MDPV)	Bath Salt	500,000
6-Monoacetylmorphine		100,000
8, 11-di-OH-D ^o -THC		100,000
11-nor-D ^o -THC-COOH		9,330
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetanilide		500,000
Acetazolamide	Diamox, Acetazolam	500,000
N-Acetyl-I-cysteine	Mucomyst, Mucosil, Parvolex	500,000
N-Acetylprocainamide		500,000
Acetylsalicylic Acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	500,000
Albuterol	Proventil, Ventolin, Salbutamol	500,000
Allobarbital	Asmac, Cibalgine, Diadol, Dialty Barbituric Acid, Dial, Malilum, Somnocodal	100,000
Altopurinol	Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol	500,000
Alpha-Hydroxyalprazolam		100,000
Alphaprodine HCI		100,000
Alphenal	Alphenate, Allofenyl, Efordal, Fenallymal	100,000
Alprazolam	Tafil, Valeans, Xanax, Xandor	100,000
Alprenolol HCI		500,000
Amantadine HCI	Symadine, Symmentrel	500,000
p-Aminobenzoic Acid (PABA)		500,000
Aminoglutethimide	Cytadren, Orimeten	500,000
I-Aminopyrine		500,000
Amitriptyline HCI	Elavil, Endep, Enovil, Emitrip	100,000
Ammonium Chloride		500,000
Amobarbita[Amytal	100,000
Amoxapine	Asendin	500,000
Amoxicillin	Amoxil, Polymor, Trimox, Wymox	100,000
Amphetamine		100,000
d-Amphetamine		100,000
Ampicillin Na+salt	Omnipen, Polycillin, Principen,	500,000
Ampicillin anhydrous		500,000
Aniline HCl		500,000
Aprobarbital	Alurate	100,000
I-Ascorbic acid	Ascorbicap, Cepid, Cecon, Cevalin, Flavorcee, Nice, Vita-C	500,000

Positive Compounds	Trade Name	Concentration (noint)
1-1-Phenylcyclohexyl pyrrolidine (PHP)		210
1-1-(2-Thienyl)-cyclohexyl		4.000
morpholine (TCM)		1,000
1-1-(2-Thienyl)-cyclohexyl piperidine (TCP)		28
1-(1-Phenylcyclohexyl)-4- hydroxypiperidine (PCHP)		90
1-(1-Phenylcyclohexyl)- morpholine (PCM)		960
1-Phenylcyclohexylamine (PCA)		110,000
4-Phenyl-4- piperidinocyclohexanol (4- OH-PCP)		6,300
Brompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	500,000
Cyclizine	Happytrip, Marezine	500,000
Cyclobenzaprine	Cycloflex,Flexeril	500,000
Diphenhydramine HCI	Banophen, Benadrył, Diphedryl, Simply Sleep	500,000
Doxepin HCI	Adapin, Sinequan	500,000
Hydroxyzine 2HCI	Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50	500,000
Methylphenidate	Ritalin	100,000
Mianserin	Bolvidon, Lumin, Talvon	500,000
Ethyl-1- enylcyclohexylamine (PCE)		1,000
N,N-Diethyl-1-phenyl- cyclohexylamine (N,N- Diethyl PCA)		180
Orphenadrine HCI	Flexoject, Myophen, Norflex	500,000
Phencyclidine	PCP	25
Pheniramine (maleate)	Trimeton	500,000
Phentolamine HCI	Regitine, Vasomax	500,000
Phenyltoloxamine citrate salt	Poly-Histine-D	500,000
Prilocaine HCI	Citanest	500,000
Procyclidine HCI	Kemadrin	500,000
Promethazine HCI	Phenergan	500,000
Pyrilamine maleate salt		500,000
Thonzylamine		500,000
Trihexyphenidyl HCl	Artane	500,000
Tripelennamine HCI	PBZ, PBZ-SR	500,000



Negative Compounds	Trade Name	Concentration (ng/mL)
Aspartame	Equal, Nutrasweet	500,000
Astemizole	Hismanal	500,000
Atenolol	Tenormin	500,000
	Atropen, Attropisol, Atrosulf,	
Atropine SO ₄ monohydrate	Saltropine	500,000
Aviosulfon	Dapsone	100,000
Azithromycin	Zithromax	100,000
Barbital	Deba	100,000
Barbituric Acid		500,000
Bectomethasone dipropionate	Beclovent	100,000
Bemegride		500,000
Benactyzine		500,000
Benzocaine	Anbesol, Americaine, Otic, Hurricaine, Orajel, Zilactin	500,000
Benzoic Acid	Atrosept, Dolsed, Prosed, UAA, Uridon, Urised, Uritab, Uritin	500,000
Benzonatate	Tessalon	500,000
Benzophenone		500,000
Benztropine methane	C	
sulfonate	Cogentin	500,000
Benzoyleogonine		100,000
Benzylamine HCI		500,000
Bethanechol chloride		500,000
Bromazepam	Lectopam	100,000
Bromocriptine mesylate	Ergoset, Parlodel	500,000
Bupivacaine	Marcaine, Sensorcaine	500,000
Buprenorphine	Buprenex	500,000
Bupropion	Wellbutrin, Zyban	100,000
Buspirone HCI	Buspar Duffeet Buffeet Busefilm	500,000
Butabarbital Butalbital	Butisol, Buticaps, Busodium Butalgen, Fiorgen, Fiorinal, Fiormor, Isobutyl, Isolin,	100,000
	Isollyl, Laninoif	
Butethal	Etoval	100,000
Butorphanol	Stadol	500,000
Butyrophenone		500,000
Caffeine	Coffe-Break, Durivitari, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	500,000
Calcium Hypochlorite		500,000
Captopril	Capoten	500,000
Carbamazepine	Atretol, Carbatrel, Tegretol	500,000
Carbamazepine-10,11- Epoxide		500,000
Carisoprodol	Rela, Sodol, Soma, Soprodol, Soridel	500,000
Cefadroxil monohydrate	Duricet, Ultracef	500,000
Cefuroxime Na+	Zinacef	500,000
Cephalexin H₂O	Cefanex, Keflex	500,000
Cephaloridine	,	500,000
Cephradine	Velosef, Anspor	500,000
Chloramphenicol	Chloroptic, Chloromycetin, Ocu-Chlor	500,000
Chlordiazepoxide	Libritabs, Librium, Sereen	100,000
Chloroquine PO ₄	Aralen	500,000
	Diuril	500,000
Chlorothiazide	, 	
	Tace Aller-Chlor, Chlor-Trimeton, Edifac 24, Chlorphenamine	100,000 500,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Chlorpropamide	Diabinese, Glucamide	500,000
Chlorprothixene	Taractan Paraflex, Parafon Forte	500,000
Chlorzoxazone	DSC	500,000
Cholesterol		500,000
Cimetidine	Tagamet	500,000
Cinoxacin	Cinobac	500,000
Ciprofloxacin HCI	Cipnol	500,000
Clemastine fumarate	Anithist-1, Tavist	500,000
Clindamycin	Cleocin	500,000
Clomipramine HCI	Anafranil	500,000
Clonazepam	Klonopin	100,000
Clonidine HCI	Catapres	500,000
Clotrimazole	Mycelex	500,000
Cloxacillin Na*	Cloxapen, Dynapen, Pathocil, Tegopen	500,000
Cocaine		100,000
Codeine		100,000
Colchicine		500,000
Cortisol	A-HydroCort, Hydrocortone Acetate, Solu-Cortef, Hydrocortisone	500,000
Cortisone	Cortone	500,000
(-)Cotinine		500,000
Creatine Hemisulphate		500,000
Cyclazocine		500,000
Cyclohexylamine		500,000
Cyclopentobarbital		100,000
Cyclophosphamide H ₂ O	Cytoxan, Neosar	500,000
Cyproheptadine	Periactin	500,000
Demoxepam		500,000
Deoxycorticosterone		500,000
Deoxyepinephrine HCI		500,000
Desalkylfurazepam		500,000
Desipramine HCI	Norpramin, Petrofrane	500,000
o-desmethylvenlafaxine		1,000,000
Dextromethorphan HBr	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	1,000,000
Diacetyl Morphine	Heroin	100,000
Diazepam	Valium, Valrelease, Vazepam	100,000
Dibucaine HCI	Nipercainal	500,000
Diclofenac	Cataflam, Pennsaid,	500,000
Dicylomine HCI	Voltaren Antipspas, Bentyl Hydrochloride, Dibent, Dilomine	500,000
Diethylsuccinate	PAROLINIC	500,000
Diffunisal	Dolobid	500,000
Digoxin	Lanoxin	100,000
Dihydrocodeine	DHC Plus, Synalgos-DC	100,000
Diltiazem HCI	Cardizern, Dilacor, Dilitazem, Tiazac	500,000
Diphenhydramine	Barrophen, Benadryl, Diphedryl, Simply Sleep	1,000,000
Diphenoxylate HCl	Lomotil	100,000
Dipyridamole	Persantine, Permole	100,000
Disulfiram	Antabuse	500,000
I-Dopa	Dopar, Larodopa	500,000
Dopamine HCI	Dopastat, Intropin	500,000

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Negative Compounds Hippuric Acid	Trade Name	Concentration (ng/mL) 500,000
Hydralazine	Apresoline	500,000
Hydrochlorothiazide	Esidrix, Hydro-DIURIL, Hydro-D, Oretic	500,000
Hydrocodone Bitartrate	Lortab	100.000
Hydromorphone HCI	Dilaudid	100,000
lydroxyephedrine		500,000
p-Hydroxyphenobarbital		500,000
Hydroxyzine 2HCl	Atarax	100,000
Hyoscyamine	Levsin	100,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	500,000
Imipramine	Tofranil	500,000
Indapamide	Lozol	500,000
Indole-3-acetic acid	Heteroauxin, Rhizopin	500,000
Indole-3-butyric acid	Hormodin, Seradix	500,000
Indomethacin	Novomethacin, Indocin	500,000
Insulin chain b, oxidized	Humalog, Humuline, lletin, Lantus, Novolin, NovoRapid, NovoLog, Oralin, Velosulin	500,000
pratropium Br	Attrovent	500,000
proniazid, PO ₄ Salt		500,000
soetharine mesytate	Bronkomrter, Bronkosol, Dey-Dose, Dey-Lute, Isoetharine	500,000
Isoniazid	Laniazid, Tubizid, INH	500,000
Isoproterenol HCI	Isuprel	500,000
Isoxsuprine HCI	Vasodilan, Voxsuprine	500,000
Kanamycin SO ₄	Kantrex	500,000
Ketamine HCl	Ketalar	500,000
Ketoprofen	Orudis, Oruvail	500,000
Labetalol	Normodyne, Trandate	500,000
Lamivudine	Epivir	100,000
Lamotrigine	Lamictal	1,000,000
LAMPA	1	100,000
Levofloxacin	Levaquin	10,000
Levorphanol tartrate	Levo-Dromoran	100,000
Levothyroxine (T ₄)	Synthroid	500,000
Lidocaine	Xylocaine	500,000
Lisinopril	Zestnil	500,000
Lithium carbonate		500,000
Loperamide	lmodium	500,000
Loratadine	Claritin	100,000
Lorazepam	Ativan	100,000
Lormetazepam		100,000
Loxapine succinate	Loxitane	500,000
d-Lysergic Acid		100,000
Lysergic Acid Diethylamide (LSD)		100,000
Maprotiline HCI	Ludiomil	500,000
Mebendazole	Mebendacin, Mebutar, Nemasole, Vermox	100,000
Medazepam	Nobrium	100,000
Mefenamic acid	Ponstel, Ponstan	500,000
Melphalan	Alkeran	500,000
Meperidine	Demerol	100,000
Mephentermine hemisulfate	Wyamine	500,000
	Mesamtoin	500,000
Mephenytoin		

Negative Compounds	Trade Name	Concentration (ng/mL)
Doxycycline	Vibramycin, Monodox	100,000
	Decapryn, Nighttime Sleep	
Doxylamine succinate	Aid, Unisom	100,000
Dronabinol (D ⁹ -THC)	Marinol	100,000
Ecgonine		100,000
Ecgonine Methyl Ester		100,000
EMDP (Secondary Methadone Metabolite)		500,000
Enalapril Maleate	Vasotec	500,000
Ephedrine	Kondon's Nasal, Pretz-D	500,000
	Adrenalin, AsthmaHaler,	500,500
Epinephrine	Bronitin, Epifrin, Primatene,	100,000
	Vaponefrin	
l-Epinephrin e		100,000
Endhraminia	AK-Mycin, E-Mycin, Eryc, Ery-Tabs, llosone,	500.000
Erythromycin	Wyamycin	500,000
	Alora, Climara,	
	Delestrogen, DepGynogen,	
	Depo-Estradiol, Depogen,	
	E-Cypionae, Esclim, Estinyl,	
t Fetrodial (F. 3)	Estrace, Estraderm,	E00 000
b-Estradiol (E-2)	Estragyn LA 5, Estring, EstroCyp, Estro-L.A.,	500,000
	FemPatch, Gynodiol,	
	Gynodiol, Gynogen L.A.,	
	Innofem, Menaval, Noven,	
	Vagifem, Valergen, Vivell	
triol (E-3)		100,000
Estrone-3-Sulfate, Na+(E-1)	Estragyn, Estratab, Kestrone, Menest, Ogen,	500 000
Estione-3-Sundle, Na. (E-1)	Ortho-Est	500,000
Ethambutol, 2HCL	Myambutol	500,000
Ethamivan		500,000
Ethinamate		100,000
Ethinyl Estradiol	Estinyl	100,000
Famotidine	Pepcid, Pepcid AC	500,000
Fenfluramine HCI	Pondimin Natfon	100,000
Fenoprofen Fentanyl citrate	Duragesic, Actig, Sublimaze	500,000 100,000
Fluconazole	Diflucan	100,000
Flufenamic Acid		500,000
Flunitrazepam	Rohypnol	100,000
Fluoxetine HCI	Prozac, Sarafem	500,000
Fluphenazine HCI	Prolixin	100,000
Flurazepam	Dalmane, Durapam	100,000
Flurbiprofen	Ansaid	500,000
Furosemide Gabapentin	Lasix Neurontin	500,000 100,000
Gentisic Acid	Medioliair	500,000
Glutethimide		100,000
	Diabeta, Glybendamide,	
Glyburide	Micronase	500,000
Glycopyrrolate	Robinul	500,000
Griseofulvin	Fulvicin, Grifulvin, Grisactin,	100,000
	Gris-PEG	100,000
Guaiacol Glycerol Ether	Actifed, Drixoral,	500,000
(Guaifenesin) Guanethidine SO ₄	Robitussin, Hytuss	
Guanemoine SO4 Halazepam	Ismelin Paxipam	500,000 100,000
Haloperidol	Haldol, Peridol	500,000
MINIOPOTION:	- reader, i directi	200,000



Negative Compounds	Trade Name	Concentration (ng/mL)
Mepivacaine HCI	Carbocaine, Isocaine, Polocaine	500,000
Mescaline	Peyote	500,000
Mesoridazine besylate	Serentil	500,000
Metanephrine HCl		500,000
Metaproterenol	Alupent, Metaprel	500,000
Metaraminol bitartrate	Aramine	500,000
Methadone	Dolopine	100,000
Methamphetamine	Desoxyn	100,000
Methaqualone HCI	Normi-Nox, Pallidan, Somnomed, Quaalude	100,000
Metharbital	Gemonil	100,000
Methenamine mandelate	Hiprex, Mandameth, Mandelamine, Urex	500,000
Methocarbamol	Robamol. Delaxin	500,000
Methotrimeprazine maleate	······································	500,000
Methoxamine HCI	Levoprone Vasoxyl	500,000
Methoxyphenamine HCI	¥ GJUA¥I	500,000
Methoxypnenamine HCI Methsuximide	Celontin	500,000
	Aldomet	500,000
Methyldopa Methylopilop	Noludar	
Methyprylon Metadenramida		100,000 500,000
Metoclopramide	Reglan, Octamide	
Metoprolol tartrate	Lopressor	500,000
Metronidazole	Flagyl, Metizol, Protostat	100,000
Miconazole NO ₄	Monistat	500,000
Midazolam	Versed	500,000
Monoethylglycinexylidide HCI (MEGX)		500,000
Morphine SO ₄	MS Contin, MSIR, Oramorph SR, Roxanol	100,000
Morhpine-3-b-Glucuronide		100,000
Nadolol	Corgard	500,000
Nafcillin Na+salt	Unipen	500,000
Nalidixic acid Na+salt	Neggram	500,000
Natorphine HCI		100,000
Naloxone HCI	Narcan	500,000
Naltrexone HCI	Depade, ReVia	500,000
Naphazoline HCI	AK-Con, Albalon, Clear Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu-Zoline, Opcon, VasoClear	500,000
Naproxen	Aleve, Anaprox, Naprosyn	500,000
Neomycin	Mycifradin Sulfate, Neo- fradin, Neo-Tabs, Myciquent	500,000
Niacinamide (Nicotinamide)	iny ciguent	500,000
Nialamide (Nicolinamide)		500,000
Nicotine	Habitrol, Nicoderm,	100,000
	Nicorette, Nicotrol, ProStep	
Nicotinic Acid (Niacin)	Proposiis	500,000
Nifedipine	Procardia	500,000
Nitrazepam	Albid	100,000
Nitrofurantoin	Nacrobid	500,000
p-Nitrophenol		500,000
Norchlordiazepoxide		100,000
Norcodeine HCl		100,000
Nordiazepam (Desmethyldiazepam)		100,000
Nordoxepin HCI		500,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
I-Norepinephrine HCl	Levophed	500,000
Norethindrone	Aygestom, Micronor, Nortutin	500,000
Norfloxacin	Noroxin	500,000
Norfluoxetine HCI		1,000,000
Norgestrei	Ovrette	500,000
Normorphine		100,000
Noroxymorphone		100,000
Norpropoxyphene d-Norpropoxyphene		500,000 500,000
Nortriptyline HCI	Aventyl, Pamelor	500,000
Noscapine HCI	Aventyi, Fameloi	500,000
Nylidrin HCl		500,000
Octopamine HCI		500,000
Ofloxacin	Floxin	500,000
Omeprazole	Prilosec	1,000,000
Orotic Acid		500,000
Oxazepam	Serax	100,000
Oxycodone HCI	OxyContin	100,000
Oxymetazoline HCl	Dristan, Sinarest	500,000
Oxymorphone	Numorphan	100,000
Oxyphenbutazone	F.A.	500,000
Pargyline Paroxetine	Eutron	500,000
Penicillin G	Paxil Pfizerpen	100,000 500,000
	PenVee K, Robicillin VK,	
Penicillin, V, K+	Veetids, V-Cillin K	500,000
Pentazocine HCI	Talwin	100,000
Pentobarbital	Nembutal	100,000
Pentoxifylline	Trental	500,000
Perphenazine Phenacetin	Trilafon	500,000 500,000
Phendimetrazine	Bontril, Plegine	100,000
Phenelzine	Nardil, Parnate, Marplan	500,000
b-Phenethylamine HCL	Troitor, Farinto, Maripian	500,000
Phenformin		500,000
Phenobarbital	Luminal	100,000
Phenothiazine maleate		100,000
Phentermine	Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine	100,000
Phenylbutazone	Azorld, Butazolidin	100,000
m-Phenylenediamine		500,000
Phenylpropanolamine	Acutrim, Dexatrim, Dura- Vent	500,000
Phthalic acid		500,000
Picrotoxin		500,000
Pipemidic Acid		500,000
Piroxicam	Feldene	500,000
Potassium Chloride	Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Lor, Kaon-CL, Slow-K, K-Norm, Ten-K	500,000
Potassium Iodide	Pima, SSKI	500,000
Prazepam	Centrax	100,000
Prazosin HCI	Minipress	100,000
Prednisolone	Hydeltrasol (Injection)	500,000
Prednisone	Deltasone, Meticorten, Orasone, Stempred	100,000
Primidone	Mysoline	500,000
Probenecid	Benemid, Benuryl, Probalan	500,000



Negative Compounds	Trade Name	Concentration (ng/mL)	
Gompounds	Aerolate, Asmalix,	(utflance)	
	Elixophyllin, Quibron,		
Theophylline	Resphid, Slo-Phyllin, Slo-	500,000	
• •	bid, Theo-24, Theo-Dur,		
	Theolair		
Thiamine HCI	Betalins, Biamine	500,000	
l'hioridazine HCI	Mellaril	500,000	
Thiothixene	Navane	500,000	
Thyroxine		500,000	
-Thyroxine		500,000	
Timolol Maleate	Betimol, Blocadren, Timoptic	500,000	
Tolbutamide	Orinase	500,000	
Folmetin	Tolectin	500,000	
Toluic Acid		500,000	
m-Toluic Acid		500,000	
Tramadol	Ultram	500,000	
Tranylcypromine HCI	Parnate	500,000	
Trazodone HCI	Desyrel	500,000	
	Aristocort, Aristospan,		
Triamcinolone	Azmacort, Kenalog,	500,000	
	Nasacort		
Triamterene	Dyrenium	100,000	
Triazolam	Halcion	100,000	
Tribenzylamine		500,000	
Trimethobenzamide HCI	Arrestin, T-Gen, Tebamide,	500,000	
Inflethoberzamice noi	Tigan, Trimazide	•	
Trimethoprim	Proloprim, Trimpex	500,000	
Triflupromazine HCL	Vesprin	500,000	
Trimipramine Maleate	Surmontil	500,000	
Triprolidine HCI	Actagen, Allerfrin, Aprodine	500,000	
Tropic Acid		500,000	
Tropine	I-Tropine, Ocu-Tropine	500,000	
Tryptamine HCI		500,000	
Tryptophan		500,000	
Tyramine		500,000	
Tyrosine		500,000	
Urea	Aquacare, Carmel, Grodon's Urea, Ureaphil	500,000	
Uric Acid		500,000	
Venlafaxine	Effexor	1,000,000	
Verapamil HCl	Isoptin, Verelan	500,000	
Warfarin	Coumadin	500,000	
Zolpidem hemitartrate	Ambien	500,000	
Zomepirac		500,000	
Zoplicone	Imovane	500,000	

Negative Compounds	Negative Trade ompounds Name	
Procainamide HCI	Procan SR, Procamide SR, Promine, Pronestyl, Pronestyl-SR, Procanbid	(ng/mL) 500,000
Procaine HCI	Novocain	500,000
Promazine	Primazine, Protine-50, Sparine	500,000
Propiomazine	Largon	500,000
Propoxyphene	Darvon	100,000
Propranoloi	Betachron, Inderal	500,000
Propylbenzene		500,000
Protriptyline HCI	Vivactil	500,000
-Pseudoephedrine HCI	Sudafed	500,000
Pyridinium chlorochromate		500,000
Pyridoxine (Vitamin B₅)	Nestrex	500,000
Quinacrine	Atabrine	500,000
Quinidine	Cardioquin, Cin-Quin, Duraquin, Novoquinidin, Quinaglute Dura-Tabs, Quinalan, Quinatime, Quinidex Extentabs, Quinora, Quin-Release	500,000
Quinine HCI	Quinamm, Quindan, Quiphile, Q-Vel, Strema	500,000
Quinine sulfate	Formula Q	500,000
Ranitidine HCI	Zantac	500,000
Rescinnamine	Moderil	100,000
serpine	Novoresperine, Resertia, Serpalan, Serparil	100,000
Rifampicin	Rifadin	500,000
Risperidone	Risperdal	100,000
Ritodrine HCI	Yutopar	500,000
Salbutamol	Praventil, Ventolin	500,000
Salicylic Acid	Disalcid, Mono-Gesic, Salflex, Salgesic, Salsitab	100,000
Salicyluric Acid		100,000
Scopolamine HBr	Transderm-Scop	500,000
Secobarbital	Seconal	100,000
Spironolactone	Novospiroton, Aldactone	1,000,000
Strychnine		100,000 500,000
Sulfamethoxazole	Sulfamethazine Nar- Bactrim, Cotrim, Septra, Sulfamethoxazole Sulfamethoprim, Sulfatrim, Uroplus	
Sulfathiazole	Sulfa-Gyn, Sulnac, Sultrin, Trysul, V.V.S.	500,000
Sulfisoxazole	Gantrisin	500,000
Sulindac	Clinoril	500,000
Talbutal		100,000
Temazepam	Restoril, Razepam, Temaz	100,000
Terbinafine	Lamisil	1,000,000
Terbutaline 1/2 SO ₄	Brethaine, Brethine, Bricanyl	500,000
Terfenadine	Seldane	500,000
Tetracaine HCI	Ak-T-Caine, CepacolViractin, Pontocaine, Opticaine	500,000
Tetracycline	Achromycin V, Parimycin, Sumycin, Tettracyn, Robitet	500,000
etrahydrocortisone		500,000

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Drugs of Abuse Cross Reactivity Guide



CEDIA® Propoxyphene 300 ng/mL cutoff

Positive Trade Compounds Name	Concentration (ng/mL)
Norpropoxyphene	360
Propoxyphene Darvon	300

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
1,3-Dimethy/barbituric acid		500,000
10,11-Dihydro		500.000
carbamazepine		
1-Phenylcyclohexylamine		500,000
4-OH-PCP HCI		500,000
5,5-Diphenylhydantoin (Phenytoin)	Dilantin	500,000
5-Hydroxyindole-2- carboxylic acid		500,000
5-Hydroxyindole-3-acetic acid		500,000
5-Hydroxytryptamine		500,000
(Serotonin) 3, 4 Methylenedioxy		
pyrovalerone (MDPV)	Bath Salt	500,000
6-Monoacetyl morphine		100,000
8,11-di-OH-D ^o THC		100,000
11-nor-D9 THC-COOH		10,000
Acetaminophen (paracetamol)	Anacin, Datri Extra, Liquiprin, Panadol, Tempra, Tylenol	500,000
Acetanilide		500,000
Acetazolamide	Diamox, Acetazolam	500,000
N-Acetyl-I-cysteine	Mucomyst, Mucosil, Parvolex	500,000
N-Acetylprocainamide		500,000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	500,000
Albuterol	Proventil, Ventolin, Salbutamol	500,000
Allobarbital	Asmac, Cibalgine, Diadol, Dially Barbituric Acid, Dial, Malilum, Somnocodal	100,000
Allopurinol	Alloprim, Apo-Allopurinol, Lopurin, Navopurol, Purhol	500,000
Alphaprodine HCI		100,000
Alphenal	Alphenate, Allofenyl, Efordal, Fenallymal	100,000
Alprazolam	Tafil, Valeans, Xanax, Xandor	100,000
a-OH-Alprazolam		100,000
Alprenolal HCI		500,000
Amantadine HCI	Symadine, Symmentrel	500,000
p-Aminobenzoic acid (PABA)		500,000
Aminoglutethimide	Cytadren, Orimeten	500,000
Aminopyrine	a judgary continues	500,000
Amitriptyline HCl	Elavil, Endep, Enovil, Emitrip	500,000

Negative	Trade	Concentration
Compounds	Name Name	(ng/mL)
Ammonium Chloride Amobarbital	A	500,000
Amoxapine	Amytal Asendin	100,000 500,000
	Amoxil, Polymor, Trimox,	<u> </u>
Amoxicillin	Wymox	100,000
Amphetamine	One for a District	500,000
Ampicillin Na+salt	Omnipen, Principen, Marcillin, Totacillin	500,000
Ampicillin anhydrous Aniline HCl		500,000
Annine rici Aprobarbital	Alimata	500,000 100,000
Aprobarbital	Alurate Ascorbicap, Cebid, Cecon,	100,000
I-Ascorbic acid	Cevalin, Flavorcee, Nice, Vita-C	500,000
Aspartame	Equal, Nutrasweet	500,000
Astemizole	Hismanal	500,000
Atenolol	Tenormin	500,000
Atropine SO ₄ monohydrate	Atropen, Attropisol, Atrosulf, Saltropine	500,000
Barbital	Deba	100,000
Barbituric acid		500,000
Beclomethasone dipropionate	Beclovent	100,000
Bemegride		500,000
Benactyzine		500,000
Benzocaine	Anbesol, Americaine, Otic, Hurricaine, Orajel, Zilactin	500,000
Benzoic acid	Atrosept, Dolsed, Prosed, UAA, Uridon, Urised, Uritab, Uritin	500,000
Benzonatate	Tessalon	500,000
Benzophenone		500,000
Benzotropine methane sutfonate	Cogentin	500,000
Benzoylecgonine		500,000
Benzylamine HCI		500,000
Bethanechol chloride		500,000
Bromazepam	Lectopam	100,000
Bromocriptine	Ergoset, Parlodel	500,000
Brompheniramine	Dimetane, Dimetapp, Nasahist, ND-Stat, Oraminic II	500,000
Bupivacaine	Marcaine, Sensorcaine	500,000
Buprenorphine	Buprenex	500,000
Buspirone HCI	Buspar	500,000
Butabarbital	Butisol, Buticaps, Busodium	100,000
Butalbital	Butalgen, Fiorgen, Fiorinal, Fiormor, Isobutyl, Isolin, Isollyl, Laninoif	100,000
Butethal	Etoval	100.000
Butorphanol	Stadol	500,000
Butyrophenone		500,000
Caffeine	Coffe-Break, Durivitan, No- Doz, Percoffedrinol N, Pro- Plus, Vivarin	500,000
Calcium Hypochlorite		500,000
Captopril	Capoten	500,000
Carbamazepine	Atretol, Carbatrel, Tegretol	500,000
Carbamazepine-10,11- Epoxide		500,000
Carisoprodol	Rela, Sodol, Soma, Soprodol, Soridel	500,000



CEDIA® Propoxyphene 300 ng/mL cutoff

entration g/mL)	Negative Compounds	Trade Name	Concentration (ng/mL)
000	Diclofenac	Cataflam, Pennsaid,	500,000
,000		Voltaren	
,000,	Die le 1 (10)	Antipas, Bentyl	500.000
0,000	Dicylomine HCI	Hydrochloride, Dibent, Dilomine	500,000
000,	Diothylayaainata	Dionine	500,000
3,000	Diethylsuccinate Diflunisal	Dolobid	500,000
	Digoxin	Lanoxin	100,000
3,000	Dihydrocodeine	DHC Plus, Synalgos-DC	100,000
0,000	Dinycrocodeme	Cardizem, Dilacor,	100,000
0,000	Diltiazem HCI	Dilitazem, Tiazac	500,000
0,000	Diphenhydramine HCl	Banophen, Benadryl,	500,000
0,000		Diphedryl, Simply Sleep	
-,	Diphenoxylate HCI	Lomotil	100,000
0,000	Dipyridamole	Persantine, Permole	100,000
0,000	Disulfiram	Antabuse	500,000
,000,	I-Dopa	Dopar, Levodopa	500,000
0,000	Dopamine HCt	Dopastat, Intropin	500,000
	Doxepin HCI	Adapin, Sinequan	500,000
),000	Doxylamine	Decapryn, Nighttime Sleep	100,000
000,		Aid, Unisom	
),000	Dronabinol (Do-THC)	Marinol	100,000
0,000	Ecgonine		100,000
0,000	Ecgonine Methyl Ester		100,000
0,000	EMDP (Secondary		500,000
0,000	Methadone Metabolite)	11	500.000
),000	Enalapril Maleate	Vasotec Prets D	500,000
0,000	Ephedrine	Kondon's Nasal, Pretz-D Adrenalin, AsthmaHaler,	500,000
0,000	Epinephrine	Bronitin, Epifrin, Primatene,	100,000
0,000		Vaponefrin	
),000	.	AK-Mydin, E-Mydin, Eryd,	500.000
0,000	Erythromycin	Ery-Tabs, Ilosone,	500,000
0,000		Wyamycin	
		Alora, Climara, Delestrogen, DepGynogen,	
0,000		Depo-Estradiol, Depogen,	
		E-Cypionae, Esclim, Estinyl,	
0,000		Estrace, Estraderm,	
0,000		Estragyn LA 5, Estring,	
0,000	b-Estradiol (E-2)	EstroCyp, Estro-L.A.,	500,000
0,000		FemPatch, Gynodiol,	
0,000		Gynodiol, Gynogen L.A.,	
0,000		Innofem, Menaval, Noven,	
0,000		Vagifem, Valergen, Vivelle,	
0,000		Vievelle-Dot	
0,000	Estriol (E3)		100,000
0,000		Estragyn, Estratab,	
0,000	Estrone-3-Sulfate, Na+(E-1)	Kestrone, Menest, Ogen,	500,000
0,000		Ortho-Est	
0,000	Ethambutol	Myambutol	500,000
0,000	Ethamivan		500,000
0,000	Ethinamate		100,000
0,000	Ethinyl Estradiol	Estinyl	100,000
00,000	Famotidine	Pepcid, Pepcid AC	500,000
	Fenfluramine HCI	Pondimin	100,000
0,000	Fenoprofen	Nalfon	500,000
	Fentanyl citrate	Duragesic, Actiq, Sublimaze	100,000
0,000	Flufenamic acid	<u> </u>	500,000
	Flunitrazepam	Rohypnol	100,000
0,000	Fluoxetine	Prozac, Sarafem	500,000
	riuoxeure	FIUZGU, GGIGICIII	

Negative Compounds	Trade Name	Concentration (ng/mL)
Cefadroxil monohydrate	Duricet, Ultracef	500,000
Cefuroxime	Zinacef	500,000
Cephalexin	Cefanex, Keflex	500,000
Cephaloridine		500,000
Cephradine	Velosef, Anspor	500,000
Chloramphenicol	Chloroptic, Chloromycetin, Ocu-Chlor	500,000
Chlordiazepoxide	Libritabs, Librium, Sereen	100,000
Chloroquine PO ₄	Aralen	500,000
Chlorothiazide	Diuril	500,000
Chlorotrianisene	Tace	100,000
Chlorpheniramine maleate	Aller-Chlor, Chlor-Trimeton, Edifac 24, Chlorphenamine	500,000
Chlorpromazine HCI	Thorazine	300,000
Chlorpropamide	Diabinese, Glucamide	500,000
Chlorprothixene	Taractan	500,000
Chlorzoxazone	Paraflex, Parafon Forte DSC	500,000
Cholesterol		500,000
Cimetidine	Tagament	500,000
Cinoxacin	Cinobac	500,000
Ciprofloxacin HCI	Cipnol	500,000
Clemastine furnarate	Anithist-1, Tavist	500,000
Clindamycin	Cleocin	500,000
Clomipramine HCl	Anafranil	500,000
Clonazepam	Klonopin	100,000
onidine HCI	Catapres	500,000
otrimazole	Mycelex	
Cloxacillin	Cloxapen, Dynapen, Pathocil, Tegopen,	500,000
Cocaine	тапоск, тедорек,	50,000
Codeine		500,000
Colchicine		500,000
Cortisol	A-HydroCort, Hydrocortone Acetate, Solu-Cortef, Hydrocortisone	500,000
Cortisone	Cortone	500,000
Cortolone	Johns	500,000
Cotinine		500,000
Creatine hemisulphate		500,000
Cyclazocine		500,000
Cyclizine	Happytrip, Marezine	500,000
Cyclobenzaprine	Cycloflex, Flexeril	
Cyclobenzapnine Cyclohexylamine	Cyclotica, Flexell	500,000
Cyclopentobarbital		500,000
	Cutovan Nacco	100,000
Cyclophosphamide	Cytoxan, Neosar	500,000
Cyproheptadine	Periactin	500,000
Demoxepam		500,000
Deoxycorticosterone		500,000
Deoxyepinephrine HCI		500,000
Desalkylfurazepam		500,000
Desipramine	Norpramine, Petrofrane	250,000
o-desmethylvenlafaxine		1,000,000
Dextromethorphan HBr	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	500,000
Diacetyl Morphine	Heroin	100,000
Diazepam	Valium, Valrelease, Vazepam	500,000
bucaine HCl	Nipercainal	500,000



CEDIA® Propoxyphene 300 ng/mL cutoff

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Flurazepam	Dalmane, Durapam	100,000
Flurbiprofen	Ansaid	500,000
Furosemide	Lasix	500,000
Gentisic acid Glutethimide		500,000 100,000
Giutetillinde	Diabeta, Glybenclamide,	100,000
Glyburide	Micronase	500,000
Glycopyrrolate	Robinul	500,000
Griseofulvin	Fulvicin, Grifulvin, Grisactin, Gris-PEG	100,000
Guaiacol Glycerol Ether (Guaifenesin)	Actifed, Drixoral, Robitussin, Hytuss	500,000
Guanethidine SO ₄	Ismelin	500,000
Halazepam	Paxipam	100,000
Haloperidol	Haldol, Peridol	500,000
Hexobarbital		100,000
Hippuric Acid		500,000
Hydralazine	Apresoline	500,000
Hydrochlorothiazide	Esidrix, Hydro-DIURIL, Hydro-D, Oretic	500,000
Hydrocodone bitartrate	Lortab, Vicodin	100,000
Hydromorphone HCI	Difaudid	100,000
Hydroxyephedrine		500,000
p-Hydroxyphenobarbital		500,000
Hydroxyzine 2HCl	Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50	500,000
	Advil, Haltran, Mediprene,	
lbuprofen	Motrin, Nuprin, Proen,	500,000
	Rufen	
Imipramine	Tofranil	500,000
Indapamide	Lozol	500,000
Indole-3-acetic acid	Heterauxin, Rhizopine	500,000
Indole-3-butyric Acid	Hormodin, Seradix	500,000
Indomethacine	Novomethacin	500,000
Insulin chain b, oxidized	Humalog, Humuline, Iletin, Lantus, Novolin, NovoRapid, NovoLog, Oralin, Velosulin	500,000
Ipratropium Br	Attrovent	500,000
Iproniazid PO ₄ Salt	7 to 4 cell	500,000
Isoetharine mesylate	Bronkomrter, Bronkosol, Dey-Dose, Dey-Lute,	500,000
Isoniazid	Isoetharine	500.000
Isoproterenol HCI	Laniazid, Tubizid, INH Isuprel	500,000 500,000
Isoxsuprine HCI	Vasodilan, Voxsuprine	500,000
Kanamycin SO ₄	Kantrex	500,000
Ketamine HCl	Ketalar	500,000
Ketoprofen	Orudis, Oruvail	500,000
Labetalol	Normodyne, Trandate	500,000
Lamotrigine	Lamictal	1,000,000
LAMPA	Eurioga .	100,000
Levorphanol tartrate	Levo-Dromoran	50,000
Levothyroxine (T ₄)	Synthroid	50,.000
Lidocaine (14)	Xylocaine	500,000
Lisinopril	Zestril	500,000
Lithium carbonate		500,000
Loperamide	Imodium	500,000
Lorazepam	Claritin	100,000
Lormetazepam	Ativan	100,000
Loxapine succinate	Loxitane	500,000
		,

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Maprotiline HCI	Ludiomil	500,000
Mebendazole	Mebendacin, Mebutar, Nemasole, Vermox	100,000
Medazepam	Nobrium	100.000
Medroxyprogesterone	Amen, Curretab, Cycrin,	
acetate	Depo-Provera, Provera	500,000
Mefenamic Acid	Ponstel, Ponstan	500,000
Melphalan	Alkeran	500,000
Meperidine Mephentermine hemisulfate	Demerol Wyamine	100,000 500,000
Mephenytoin	Mesamtoin	500,000
Mephobarbital	Mebaral	100,000
Mepivacaine HCI	Carbocaine, Isocaine,	
	Polocaine	500,000
Mescaline	Peyote	500,000
Mesonidazine besylate	Serentil	500,000
Metanephrine HCI Metaproterenol hemisulfate		500,000
salt	Alupent, Metaprel	500,000
Metaraminol bitartrate	Aramine	500,000
Methadone	Dolopine	500,000
Methamphetamine	Desoxyn	500,000
Methaqualone HCI	Normi-Nox, Pallidan, Somnomed, Quaalude	100,000
Metharbital	Gemonil	100,000
Methenamine mandelate	Hiprex, Mandameth, Mandelamine, Urex	500,000
Methocarbamol	Robamol, Delaxin	500,000
Methotrimeprazine maleate	Levoprone	500,000
Methoxamine HCl	Vasoxyl	500,000
Methoxyphenamine HCI	21."	500,000
Methsuximide Methyldopa	Celontin Aldomet	500,000 500,000
Methylphenidate	Ritalin	100,000
Methyprylon	Noludar	100,000
Metoclopramide	Reglan, Octamide	500,000
Metoproloi tartrate	Lopressor	500,000
Metronidazole	Flagyl, Metizol, Protostat	500,000
Mianserin	Bolvidon, Lumin, Tolvon	500,000
Miconazole NO ₄ Midazolam	Monistat Versed	500,000 500,000
Monoethylglycinexylidide	V01300	500,000
HCI (MEGX) Morphine -3-b-D-		
Glucuronide		100,000
Morphine SO ₄	MS Contin, MSIR, Oramorph SR, Roxanol	100,000
Nadolol	Corgard	500,000
Nafcillin Na+salt	Unipen	500,000
Nalidixic acid Na*salt Nalorphine HCI	Neggram	500,000 100,000
Naloxone HCI	Narcan	500,000
Naltrexone HCI	Depade, ReVia	500,000
Naphazoline HCl	AK-Con, Albalon, Clear Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu-Zoline, Opcon, VasoClear	500,000
Naproxen Na+	Aleve, Anaprox, Naprosyri	500,000



CEDIA® Propoxyphene 300 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
Phentolamine HCI	Regitine, Vasomax	500,000
Phenylbulazone	Azorld, Butazolidin	100,000
n-Phenylenediamine	. ze.v, potezenem	500,000
,	Acutrim, Dexatrim, Dura-	
Phenylpropanolamine	Vent	500,000
Phenyltoloxamine citrate salt	Poly-Histine-D	500,000
Phthalic acid		500,000
Picrotoxin		500,000
pemidic acid		500,000
Piroxicam	Feldene	500,000
Potassium Chloride	Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Lor, Kaon-CL, Slow-K, K-Norm, Ten-K	500,000
Potassium lodide	Pima, SSKI	500,000
Prazepam	Centrax	100,000
Prazosin HCI	Minipress	100,000
Prednisolone	Hydeltrasol (Injection)	500,000
	Deltasone, Meticorten,	
Prednisane	Orasone, Stempred	100,000
Pregnenolone		500,000
Prilocaine HCI	Citanest	500,000
Primidone	Mysoline	500,000
Probenecid	Benemid, Benuryl, Probalan	500,000
Procainamide HCI	Procan SR, Procamide SR, Promine, Pronestyl, Pronestyl-SR, Procanbid	500,000
Procaine HCI	Novocain	500,000
Procyclidine HC1	Kemadrin	500,000
Progesterone	Crinone, Ovrette, Micronor, Nor-QD	500,000
Promazine	Primazine, Protine-50, Sparine	500,000
Promethazine HCI	Phenergan	500,000
Propiomazine maleate	Largon	500,000
Propanolol	Betachron, Inderal	500,000
Propylbenzene		500,000
Protriptyline HCI	Vivactil	500,000
-Pseudoephedrine HCI	Sudafed	500,000
Pyridinium chlorochromate		500,000
Pyridoxine (Vitamin B ₆)	Nestrex	500,000
Pyrilamine maleate salt	2	500,000
Quinacrine 2HCl	Atabrine	500,000
Quinidine	Cardioquin, Cin-Quin, Duraquin, Novoquinidin, Quinaglute Dura-Tabs, Quinalan, Quinatime, Quinidex Extentabs, Quinora, Quin-Release	500,000
Quinine HCI	Quinamm, Quindan, Quiphile, Q-Vel, Strema	500,000
Quinine sulfate	Formula Q	500,000
Ranitidine HCI	Zantac	500,000
Rescinnamine	Moderil	100,000
Reserpine	Novoresperine, Resertia, Serpalan, Serparil	100,000
Rifampicin	Rifadin	500,000
Ritodrine	Yutopar	500,000
Salicylic Acid	Disalcid, Mono-Gesic, Salflex, Salgesic, Salsitab	500,000

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Negative Compounds	Trade Name	Concentration (ng/mL)
	Mycifradin Sulfate, Neo-	(3,=
Neomycin SO₄	fradin, Neo-Tabs, Myciguent	500,000
Niacinamide (Nicotinamide)) 2.2.4.11	500,000
Nialamide		500,000
Nicotine	Habitrol, Nicoderm, Nicorette, Nicotrol, ProStep	100,000
Nicotinic Acid (Niacin)		500,000
Nifedipine	Procardia	500,000
Nitrazepam		100,000
Nitrofurantoin	Macrobid	500,000
p-Nitrophenol		500,000
Norchlordiazepoxide		100,000
Norcodeine HCI		100,000
Nordiazepam (Dosmethyldiazopam)		100,000
(Desmethyldiazepam) Nordoxepin HCl	·····	
-Norepinephrine HCl	Levophed	500,000 500,000
	Aygestom, Micronor,	
Norethindrone	Norlutin	500,000
Norfloxacin	Noroxin	500,000
Norfluoxetine HCI		1,000,000
Norgestrel	Ovrette	500,000
Normorphine H ₂ O		100,000
Noroxymorphone		100,000
Nortriptyline	Aventyl, Pamelor	300,000
Noscapine HCI		500,000
lidrin HCI		500,000
Octopamine HCI Offoxacin	Floxin	500,000
Omeprazole	Prilosec	500,000 1,000,000
Orotic Acid	11110360	500,000
Orphenadrine HCI	Flexoject, Myophen, Norflex	500,000
Oxazepam	Serax	100,000
Oxycodone HCI	Oxycontin	100,000
Oxymetazoline	Dristan, Sinarest	150,000
Oxymorphone	Numorphan	100,000
Oxyphenbutazone		500,000
Pargyline	Eutron	500,000
Penicillin G	Pfizerpen	500,000
Penicillin V potassium	PenVee K, Robicillin VK, Veetids, V-Cillin K	500,000
Pentazocine HCI	Talwin	100,000
Pentobarbital	Nembutal	100,000
Pentoxifylline	Trental Trilates	500,000
Perphenazine Phenacetin	Trilafon	500,000
Phenaceum Phenazopyridine HCl	Azo-Standard, Pyridium, Urodine	500,000 500,000
Phencyclidine (PCP)	0.54nto	500,000
Phendimetrazine bitartrate	Bontril, Plegine	100,000
Phenelzine	Nardil, Parnate, Marplan	500,000
b-Phenethylamine HCl		500,000
Phenformin		500,000
Pheniramine maleate	Trimeton	500,000
Phenobarbital	Luminal	500,000
Phenothiazine		100,000
Phentermine	Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine	100,000

Drugs of Abuse Cross Reactivity Guide



CEDIA® Propoxyphene 300 ng/mL cutoff

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Urea	Aquacare, Carmel, Grodon's Urea, Ureaphil	500,000
Uric Acid		500,000
Venlafaxine	Effexor	1,000,000
Verapamil	Isoptin, Verelan	500,000
Warfarin	Coumadin	500,000
Zolpidem hemitartrate	Ambien	500,000
Zomepirac		500,000
Zoplicoле	Imovane	500,000

Negative Compounds	Trade	Concentration
Scopolamine HBr H ₂ O	Name Transderm-Scop	(ng/mL) 500,000
Secobarbital	Seconal	500,000
pironolactone	Novospiroton, Aldactone	1,000,000
Strychnine	Hove proton, Hadded in	100,000
Julfamethazine Na+		500,000
	Bactrim, Cotrim, Septra,	
Gulfamethoxazole	Sulfamethoprim, Sulfatrim, Uroptus	500,000
Sulfathiazole Na≁salt	Sulfa-Gyn, Sulnac, Sultrin, Trysul, V.V.S.	500,000
Sulfisoxazole	Gantrisin	500,000
Gulindac	Clinoril	500,000
albutal		100,000
emazepam	Restoril, Razepam, Temaz	100,000
erbutaline 1/2 SO ₄	Brethaine, Brethine, Bricanyl	500,000
erfenadine	Seldane	500,000
J., J., Maille	Ak-T-Caine,	000,000
etracaine HCI	CepacolViractin, Pontocaine, Opticaine	500,000
etracycline	Achromycin V, Parimycin, Sumycin, Tettracyn, Robitet	500,000
etrahydrocortisone	Comyon, remacyn, Robitet	500,000
etrahydrozoline HCl	Tyzine, Visine	500,000
heophylline	Aerolate, Asmalix, Elixophyllin, Quibron, Respbid, Slo-Phyllin, Slo- bid, Theo-24, Theo-Dur, Theolair	500,000
hiamine HCI	Betalins, Biamine	500,000
Thioridazine HCl	Mellaril	500,000
hiothixene	Navane	500,000
honzylamine		500,000
hyroxine		500,000
imolol malate	Betimol, Blocadren, Timoptic	500,000
olbutamide	Orinase	500,000
olmetin	Tolectin	500,000
oluic Acid		500,000
ramadol	Ultram	500,000
ranylcypromine HCl	Parnate	500,000
Frazodone HCI Friamcinolone	Desyrel Aristocort, Aristospan, Azmacort, Kenalog, Nasacort	500,000 500,000
Friamterene	Dyrenium	100,000
Triazolam	Halcion	100,000
Fribenzylamine		500,000
Friflupromazine HCI	Vesprin	500,000
rihexyphenidyl HCl	Artane	500,000
Frimethobenzamide HCI	Arrestin, T-Gen, Tebamide, Tigan, Trimazide	62,500
Frimethoprim	Proloprim, Trimex	500,000
Frimipramine maleate	Surmontil	300,000
Fripelennamine HCI	PBZ, PBZ-SR	500,000
Friprolidine HCI	Actagen, Allerfrin, Aprodine	500,000
Fropic Acid		500,000
Fropine	I-Tropine, Ocu-Tropine	500,000
Tryptamine HCI		500,000
Tryptophan		500,000
Tyramine		500,000



Trade	Concentration
	(ng/mL)
Lopurin, Novopurol, Purhol	500,000
	100,000
Efrodal, Fenallymal	100,000
	100,000
	100,000
	500,000
Symadine, Symmentrel	500,000
	500,000
Cytadren, Orimeten	500,000
	500,000
Elavil, Endep, Enovil, Emitrip	500,000
	500,000
Amytal	100,000
Asendin	500,000
Amoxil, Polymor, Trimox, Wyrnox	100,000
	500,000
	100,000
Omnipen, Principen, Marcillin, Totacillin	500,000
	500,000
	500,000
Alurate	100,000
Ascorbicap, Cepid, Cecon, Cevalin, Flavorcee, Nice, Vita-C	500,000
	500,000
Hismanal	500,000
Tenormin	500,000
Atropen, Attropisol, Atrosulf, Saltropine	500,000
Deba	100,000
	500,000
Redovent	100,000
DEMOVER	
	500,000
	500,000
Hurricaine, Orajel, Zilactin	500,000
Atrosept, Dolsed, Prosed, UAA, Uridon, Urised, Uritab, Uritin	500,000
Tessalon	500,000
	500,000
Cogentin	500,000
	500,000
	500,000
Duvoid, Urabeth	500,000
Lectopam	100,000
Ergoset, Parlodel	500,000
Dimetane, Dimetapp,	
Nasahist, ND-Stat, Oraminic II	500,000
Nasahist, ND-Stat,	500,000
Nasahist, ND-Stat, Oraminic II	
	Alloprim, Apo-Allopurinol, Lopurin, Novopurol, Purhol Alphenate, Allofenyl, Efrodal, Fenallymal Tafil, Valeans, Xanax, Xandor Symadine, Symmentrel Cytadren, Orimeten Elavil, Endep, Enovil, Emitrip Amytal Asendin Amoxil, Polymor, Trimox, Wymox Omnipen, Principen, Marcillin, Totacillin Alurate Ascorbicap, Cepid, Cecon, Cevalin, Flavorcee, Nice, Vita-C Equal, Nutrasweet Hismanal Tenormin Atropen, Attropisol, Atrosulf, Saltropine Deba Beclovent Anbesol, Americaine, Otic, Hurricaine, Orajel, Zilactin Atrosept, Dolsed, Prosed, UAA, Uridon, Urised, Uritab, Uritin Tessalon Cogentin Duvoid, Urabeth Lectopam

Positive	Meganorial Antarios (A. 1948)	ade Concentration
Compounds		me (ng/mL)
11-nor-D9-THC-COOH		50
11-nor-D8-THC-COOH		40
D9-THC (Dronabinol)	Marinol	490
11-OH-D9-THC		120
8b-OH-D9-THC		1,800
8b,11-di-OH-D9-THC		600
1-D9-THC-Glucuronide		65
Cannabinol		1,700
Dronectarone		62,500
5-methyl-7-methoxy- isoflavone	Methoxy 7	*
Efavirenz	Sustiva	*
Flufenamic acid		500,000

*Testing with parent compound has not been performed, however, human urine samples collected following a dose of the compound were shown to test positive on the Thermo Scientific™ CEDIA® DAU THC assay at the 50 ng/mL cutoff.

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
1, 3-Dimethylbarbituric acid		500,000
10, 11-Dihydro-		500.000
carbamazepine		500,000
1-Phenylcyclohexylamine		500,000
4-OH-PCP HCI		500,000
5,5-Diphenylhydantoin	Dilantin	roo ooo
(Phenytoin)	Duantin	500,000
5-Hydroxyindole-2-		E00.000
carboxylic acid		500,000
5-Hydroxyindole-		FAG 000
3-Acetic acid		500,000
5-Hydroxytryptamine		F00 000
(Serotonin)		500,000
3, 4 Methylene-	D-#- C-#	CAR 000
dioxypyrovalerone (MDPV)	Bath Salt	500,000
6-Monoacetyl morphine		100,000
Santamin audia a	Anacin, Datri Extra,	
Acetaminophen	Liquiprin, Panadol,	500,000
(paracetamol)	Tempra, Tylenol	
Acetanilide		500,000
Acetazolamide	Diamox, Acetazolam	500,000
N. Arabil ambias	Mucomyst, Mucosil,	500.000
N-Acetyl-I-cysteine	Parvolex	500,000
N-Acetylprocainamide		500,000
Acetylsalicylic acid	Aspirin, Bufferin	500,000
Acyclovir	Zovirax	500,000
Albuterol	Proventil, Ventolin	500,000
	Asmac, Cibalgine, Diadol,	
Mobarbital	Dially Barbituric Acid, Dial.	100.000
	Malilum, Sornnocodal	



Negative Compounds	Trade Name	Concentration (ng/mL)	
	Butalgen, Fiorgen, Fiorinal,	(5,)	
Butalbital	Fiormor, Isobutyl, Isolin,	100,000	
	Isollyl, Laninoif	,	
Butethal	Etoval	100,000	
Butorphanol	Stadol	500,000	
Butyrophenone	0.000	500,000	
Batyrophianana	Coffe-Break, Durivitan, No-	000,000	
Caffeine	Doz. Percoffedrinol N. Pro-	500,000	
	Plus, Vivarin	000,000	
Calcium hypochlorite		500,000	
Cannabidiol		1.000	
Captopril	Capoten	500,000	
Carbamazepine	Atretol, Carbatrel, Tegretol	500,000	
Carbamazepine-10,11-			
Epoxide		500,000	
	Rela, Sodol, Soma,		
Carisoprodol	Soprodol, Soridel	500,000	
Cefadroxil monohydrate	Duricet, Ultracef	500,000	
Cefuroxime Na+	Zinacef	500,000	
Celecoxib	Celebrex	500,000	
Cephalexin H ₂ O	Cefanex, Keflex	500,000	
Cephaloridine		500,000	
Cephradine	Velosef, Anspor	500,000	
	Chloroptic, Chloromycetin,		
Chloramphenicol	Ocu-Chlor	500,000	
Chlordiazepoxide	Libritabs, Librium, Sereen	100,000	
Chloroguine PO ₄	Aralen	500,000	
Chlorothiazide	Diuril	500,000	
Chlorotrianisene	Tace	100,000	
	Aller-Chlor, Chlor-Trimeton,		
Chlorpheniramine maleate	Edifac 24, Chlorphenamine	500,000	
Chlorpromazine HCI	Thorazine	500,000	
Chlorpropamide	Diabinese, Glucamide	500,000	
Chlorprothixene	Taracian	500,000	
	Paraflex, Parafon Forte	· · · · · · · · · · · · · · · · · · ·	
Chlorzoxazone	DSC	500,000	
Cholesterol		500,000	
Cimetidine	Tagamet	500,000	
Cinoxacin	Cinobac	500,000	
Ciprofloxacin HCI	Cipnol	500,000	
Clemastine fumarate	Antihist-1, Tavist	500,000	
Clindamycin	Cleocin	500,000	
Clomipramine HCl	Anafranil	500,000	
Clonazepam	Klonopin	100,000	
Clonidine HC1	Catapres	500,000	
Clotrimazole	Mycelex	500,000	
	Cloxapen, Dynapen,		
Cloxacillin Na⁺	Pathocil, Tegopen,	500,000	
Cocaine	Sereaul redahami	100,000	
Codeine		500,000	
Colchidine		500,000	
	A-HydroCort, Hydrocortone	550,000	
Cortisol	Acetate, Solu-Cortef,	500,000	
	Hydrocortisone	2.70/000	
Cortisone	Cortone	500,000	
(-)Cotinine	- January	500,000	
Creatine hemisulphate		500,000	
Cyclazocine		500,000	
Cyclazocine	Happytrip, Marezine	500,000	
Cyclobenzaprine	Cycloflex, Flexeni	500,000	
O Y GOD CITE OF I I I I I C	Cyclolica, i lexelli	300,000	

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Cyclopentobarbital		100,000
Cyclophosphamide H ₂ O	Cytoxan, Neosar	500,000
Cyproheptadine	Periactin	500,000
Demoxepam		500,000
Deoxycorticosterone		500,000
Deoxyepinephrine HCl		500,000
Desalkylfurazepam		500,000
Desipramine HCI	Norpramin, Petrofrane	500,000
o-desmethylvenlafaxine		1,000,000
Dextromethorphan HBr	Benylin DM, Delsym, Hold, Perfussin 8 hr, Mediquell, Sucrets	500,000
Diacetyl morphine	Heroin	100,000
Diazepam	Valium, Valrelease, Vazepam	500,000
Dibucaine HCI	Nipercainal	500,000
Dialafaras	Cataflam, Pennsaid,	
Didofenac	Voltaren	500,000
Dicylomine HCI	Antipas, Bentyl Hydrochloride, Dibent, Dilomine	500,000
Diethylsuccinate		500,000
Diffunisal	Dalobid	300,000
Digoxin		100,000
Dihydrocodeine	DHC Plus, Synalgos-DC	100,000
Diltiazem HCI	Cardizem, Dilacor, Dilitazem, Tiazac	500,000
Diphenhydramine HCI	Banophen, Benadryl, Diphedryl, Simply Sleep	500,000
Diphenoxylate HCI	Lomotil	100,000
Dipyridamole	Persantine, Permole	100,000
Disulfiram	Antabuse	500,000
I-Dopa	Dopar, Larodopa	500,000
Dopamine HCI	Dopastat, Intropin	500,000
Doxepin HC1	Adapin, Sinequan	500,000
Doxylamine succinate	Decapryn, Nighttime Sleep Aid, Unisom	100,000
Ecganine		100,000
Ecgonine methyl ester		100,000
EMDP (Secondary Methadone Metabolite)		500,000
Enalapril maleate	Vasotec	500,000
Ephedrine	Kondon's Nasal, Pretz-D	500,000
I-Ephedrine		500,000
I-Epinephrine	Adrenalin, AsthmaHaler, Bronitin, Epifrin, Primatene, Vaponefrin	100,000
I-Erythromycin	AK-Mycin, E-Mycin, Eryc, Ery-Tags, llosone, Wyamycin	500,000
b-Estradiol (E-2)	Alora, Climara, Delestrogen, DepGynogen, Depo-Estradiol, Depogen, E-Cypionae, Esclim, Estinyl, Estrace, Estraderm, Estragyn LA 5, Estring, EstroCyp, Estro-L.A., FemPatch, Gynodiol, Gynodiol, Gynogen L.A., Innofem, Menaval, Noven, Vagifem, Valergen, Vivelle, Vievelle-Dot	500,000



Negative Compounds Estriol (E-3)	Trade Name	Concentration (ng/mL) 100,000
Louid (E-d)	Estragyn, Estratab,	100,000
Estrone-3-Sulfate, Na+ (E-1)	Kestrone, Menest, Ogen, Ortho-Est	500,000
Ethambutol 2HCI	Myambutol	500,000
Ethamivan		500,000
Ethinamate		100,000
Ethinyl Estradiol	Estinyl	100,000
Famotidine Fenfluramine HCI	Pepcid, Pepcid AC Pondimin	500,000
	Nalfon	100,000 500,000
Fenoprofen Fentanyl citrate	Duragesic	100,000
Flunitrazepam	Rohypnol	100,000
Fluoxetine HCI	Prozac, Sarafem	500,000
Fluphenazine HCI	Prolixin	100,000
Flupirtine Maleate		750,000
Flurazepam	Dalmane, Durapam	100,000
Flurbiprofen	Ansaid	500,000
Furosemide	Lasix	500,000
Gentisic acid		500,000
Glutethimide		100,000
Glyburide	Diabeta, Glybericlamide, Micronase	500,000
Glycopyrrolate	Robinul	500,000
Griseofulvin	Fulvicin, Grifulvin, Grisactin, Gris-PEG	100,000
Guaiacol glycerol ether Suaifenesin)	Actifed, Drixoral, Robitussin, Hytuss	500,000
anethidine SO ₄	Ismelin	500,000
Halazepam	Paxipam	100,000
Haloperidol	Haldol, Peridol	500,000
Hexobarbital		100,000
Hippuric acid		500,000
Hydralazine	Apresoline	500,000
Hydrochlorothiazide	Esidrix, Hydro-DIURIL., Hydro-D, Oretic	500,000
Hydrocodone bitartrate	Lortab	100,000
Hydromorphone HCI	Dilaudid	100,000
p-Hydroxyephedrine p-Hydroxyphenobarbital		500,000 500,000
H₂O Hydroxyzine 2HCl	Anxanil, Apo-Hydroxyzine, Atarax, Hyzine-50	500,000
lbuprofen	Advil, Haltran, Mediprene, Motrin, Nuprin, Proen, Rufen	500,000
Imipramine	Tofranil	500,000
Indapamide	Lozoi	500,000
Indole-3-acetic acid	Heteroauxin, Rhizopin	500,000
Indole-3-butyric acid	Hormodin, Seradix	500,000
Indomethacin	Novomethacin, Indocin	500,000
	Humalog, Humuline, Iletin. Lantus, Novolin,	·
Insulin chain b, oxidized	NovoRapid, NovoLog, Oralin, Velosulin	500,000
Ipratropium Br	Attrovent	500,000
Iproniazid PO4 salt		500,000
Isoetharine mesylate	Bronkomrter, Bronkosol, Dey-Dose, Dey-Lute, Isoetharine	500,000
Isoniazid	Laniazid, Tubizid, INH	500,000
soproterenol HCI	Isuprel	500,000
oxsuprine HCl		500,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Kanamycin SO ₄ Ketamine HCl	Kantrex	500,000 500,000
	Ketalar Orudis, Oruvail	500,000
Ketoprofen Labetalol	Normodyne, Trandate	500,000
Lamotrigine	Lamictal	1,000,000
LAMPA	Larriictai	100,000
Levorphanol tartrate	Levo-Dromoran	100,000
Levothyroxine (T ₄)	Synthroid	50,000
Lidocaine	Xylocaine	500,000
Lisinopril	Zestril	500,000
Lithium carbonate	2,000 H	500,000
Loperamide	Imodium	500,000
Lorazepam	Ativan	100,000
Lormetazepam	7.04011	100,000
Loxapine succinate	Loxitane	500,000
d-Lysergic acid	COMMITS	100,000
Lysergic acid diethylamide		
(LSD)		100,000
Maprotiline HCI	Ludiomíl	500,000
	Mebendacin, Mebutar,	
Mebendazole	Nemasole, Vermox	100,000
Medazepam	Nobrium	100,000
Mefenamic acid	Ponstel, Ponstan	500,000
Melphalan	Alkeran	500,000
Meperidine	Demerol	100,000
Mephentermine hemisulfate	Wyamine	500,000
Mephenytoin	Mesamtoin	500,000
Mephobarbital	Mebaral	100,000
Mepivacaine HCI	Carbocaine, Isocaine, Polocaine	500,000
Mescaline	Peyote	500,000
Mesoridazine	Serentil	500,000
Metanephrine HCI	00101111	500,000
Metaproterenol hemisulfate		· ·
salt	Alupent, Metaprel	500,000
Metaraminol bitatrate	Aramine	500,000
Methadone HCI	Dolophine	500,000
Methamphetamine	Desoxyn	500,000
Methaqualone HCI	Normi-Nox, Pallidan,	100,000
	Somnomed, Quaalude	
Metharbital	Gemonil	100,000
Methenamine mandelate	Hiprex, Mandameth,	500,000
	Mandelamine, Urex	
Methocarbamol	Robamol, Delaxin	500,000
Methotrimeprazine maleate	Levoprone	500,000
Methoxamine HCI	Vasoxyl	500,000
Methoxyphenamine HCI		500,000
Methsuximide	Celontin	500,000
a-Methyl-L-dopa	Aldomet	500,000
Methylphenidate	Ritalin	100,000
Methyprylon	Notudar Double Octomide	100,000
Metoclopramide Metocroiol tertrate	Reglan, Octamide	500,000 500,000
Metoprolol tartrate	Lopressor Elegat Metizal Protected	500,000
Metronidazole	Flagyl, Metizol, Protostat	500,000
Mianserin (+/-) Miconazole NO ₄	Bolvidon, Lumin, Tolvon Monistat	500,000
(+/-) Miconazole INO4 Midazolam	Versed	500,000
Monoethylglycinexylidide	v c1560	300,000
HCI (MEGX)		500,000
Morphine SO ₄	MS Contin, MSIR, Oramorph SR, Roxanol	100,000



Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Morphine-3-b D-		100,000
Glucuronide Nadolol	Corgard	500,000
Nafcillin, Na* salt	Uniperi	500,000
Natidixic acid, Na+salt	Neggram	500,000
Nalorphine HCI		100,000
Naloxone HCI	Narcan	500,000
Naltrexone HCI	Depade, ReVia	500,000
Naphazoline HCl	AK-Con, Albalon, Clear Eyes, Comfort, Degest 2, Estivin II, I-Naphline, Muro's Opcon, Nafazair, Naphcon, Naphcon Forte, Napholine, Ocu-Zoline, Opcon, VasoClear	500,000
Naproxen Na+	Aleve, Anaprox, Naprosyn	500,000
Neomycin SO ₄	Mycifradin Sulfate, Neo- fradin, Neo-Tabs, Myciguent	500,000
Niacinamide (Nicotinamide)		500,000
_Nialamide	Habitral Micodom	500,000
Nicotine	Habitrol, Nicoderm, Nicorette, Nicotrol, ProStep	100,000
Nicotinic acid (Niacin)		500,000
Nifedipine	Procardia	500,000
Nitrazepam Nitrofurantion	Macrobid	100,000
p-Nitrophenol	Macrobiu	500,000 500,000
Norchlordiazepoxide		100,000
Norcodeine HCl		100,000
Nordiazepam (Desmethyldiazepam)		100,000
Nordoxepin HCI		500,000
I-Norepinephrine HCI	Levophed	500,000
Norethindrone	Aygestorn, Micronor, Norlutin	500,000
Norfloxacin	Noroxin	500,000
Norfluoxetine HCI		1,000,000
Norgestrel	Ovrette	500,000
Normorphine H₂O		100,000
Noroxymorphone		100,000
d-Norpropoxyphene	A	500,000
Nortriptyline HCI	Aventyl, Pamelor	500,000 500,000
Noscapine HCI Nylidrin HCI		500,000
Octopamine HCI		500,000
Offoxacin	Floxin	500,000
Omeprazole	Prilosec	1,000,000
Orotic Acid		500,000
Orphenadrine HCI	Flexoject, Myophen, Norflex	500,000
Oxaprozin	Daypro	1,000,000
Oxazepam	Serax	100,000
Oxycodone HCI	OxyContin	100,000
Oxymetazoline HCI	Dristan, Sinarest Numorphan	500,000 100,000
Oxymorphone Oxyphenbutazone H ₂ O	ivenurphan	500,000
Pargyline	Eutron	500,000
Penicitin G	Pfizerpen	500,000
Penicillin V potassium	PenVee K, Robicillin VK, Veetids, V-Cillin K	500,000
Pentazocine HC1	Talwin	100,000

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Pentobarbital	Luminal	100,000
Pentoxifylline	Trental	500,000
Perphenazine Phenacetin	Trilafon	500,000
Prienaceun	Azo-Standard, Pyridium,	500,000
Phenazopyridine HCI	Urodine	500,000
Phencyclidine (PCP)		500,000
Phendimetrazine bitartrate	Bontril, Plegine	100,000
Phenelzine SO ₄ b-Phenethylamine HCl	Nardil, Parnate, Marplan	500,000
Phenformin		500,000 500,000
Pheniramine	Trimeton	500,000
Phenobarbital	Luminal	500,000
Phenothiazine	Curintal	100,000
Phentermine	Adipex, Fastin, Ionamin, Obenix, Obephen, Obermine, Obermine, Obestin, Phentamine	100,000
Phentolamine HCI	Regitine, Vasomax	500,000
Phenylbutazone	Azorld, Butazolidin	100,000
m-Phenylenediamine		500,000
Phenylpropanolamine	Acutrim, Dexatrim, Dura- Vent	500,000
Phenyltoloxamine citrate salt	Poly-Histine_D	500,000
Phthalic acid		500,000
Picrotoxin		500,000
Pipemidic acid		500,000
Piroxicam	Feldene	500,000
Potassium chloride	Kay Ciel, Micro-K, Kaochlor, K-Dur, K-Lor, Kaon-CL, Slow-K, K-Norm, Ten-K	500,000
Potassium iodide	Pima, SSKI	500,000
Prazepam	Centrax	100,000
Prazosin HCI	Minipress	100,000
Prednisolone	Hydeltrasol (Injection)	500,000
Prednisone	Deltasone, Meticorten, Orasone, Stempred	100,000
Prilocaine HCI	Citanest	500,000
Primidone	Mysoline	500,000
Probenecid	Benemid, Benuryl, Probaları	500,000
Procainamide HCI	Procan SR, Procamide SR, Promine, Pronestyl, Pronestyl-SR, Procanbid	500,000
Procaine HCI	Novocain	500,000
Procyclidine HCI	Kemadrin	500,000
Promazine	Primazine, Protine-50, Sparine	500,000
Promethazine HCI	Phenergan	500,000
Propiomazine	Largon	500,000
Ргорохурнепе		500,000
d-Propoxyphene		100,000
Propranolol	Betachron, Inderal	500,000
Propylbenzene		500,000
Protriptyline HCI	Vivactil	500,000
I-Pseudoephedrine HCI	Sudafed	500,000
Pyridinium chlorochromate	Mestrov	500,000
Pyridoxine (Vitamin B ₆)	Nestrex	500,000
Pyrilamine maleate salt Quinacrine 2HCl	Atabrine	500,000 500,000
Guillachine 41 ICI	VIGNILIC	300,000

Drugs of Abuse Cross Reactivity Guide



CEDIA® THC 50 ng/mL cutoff

Negative Compounds	Trade Name	Concentration (ng/mL)
	Cardioquin, Cin-Quin,	
	Duraquin, Novoquinidin,	
Quinidine	Quinaglute Dura-Tabs,	500,000
age in Milita	Quinalan, Quinatime,	300,000
	Quinidex Extentabs,	
	Quinora, Quin-Release	
Quinine HCl	Quinamm, Quindan,	500 000
ZUINITE TIOI	Quiphile, Q-Vel, Strema	500,000
Quinine sulfate	Formula Q	500,000
Raltegravir	Isentress	4,000,000
Ranitidine HCI	Zantac	500,000
Rescinnamine	Moderil	100,000
· · · · · · · · · · · · · · · · · · ·	Novoresperine, Resertia,	
Reserpine	Serpatan, Serparil	100,000
Rifampicin	Rifadin	500,000
Ritodrine HCI	Yutopar	500,000
	Disalcid Mono-Gesic.	
Salicylic acid	Salflex, Salgesic, Salsitab	100,000
Salicyluric acid	Tamen, Sargeotte, Calendo	500,000
Scopolamine HBr H ₂ O	Transderm-Scop	500,000
Secobarbital	Seconal	500,000
Sertraline	Zoloft	1,000,000
Spironolactone	Novospiroton, Aldactone	1,000,000
	толография, довстале	
Strychnine		100,000
Sulfamethazine Na	Deskie Oski O	500,000
Cultamath avac - I -	Bactrim, Cotrim, Septra,	500.000
Sulfamethoxazole	Sulfamethoprim, Sulfatrim,	500,000
	Uropius	
ulfathiazole Na+salt	Sulfa-Gyn, Sulnac, Sultrin,	500,000
	Trysul, V.V.S.	
Sulfisoxazole	Gantrisin	500,000
Sulindac	Clinoril	500,000
Falbutal -		100,000
Temazepam	Restoril, Razepam, Temaz	100,000
<u>Ferbinafine</u>	Lamisil	1,000,000
Terbutaline 1/₂ SO₄	Brethaine, Brethine,	500,000
	Bricanyl	
Terfenadine	Seldane	500,000
	Ak-T-Caine,	
Tetracaine HCI	CepacolViractin,	500,000
	Pontocaine, Opticaine	
Fetracycline	Achromycin V, Parimycin,	500,000
	Sumycin, Tettracyn, Robitet	
Tetrahydrocortisone		500,000
Tetrahydrozoline HCl	Tyzine, Visine	500,000
· · · · · · · · · · · · · · · · · · ·	Aerolate, Asmalix,	·· · · · · · · · · · · · · · · · · · ·
	Elixophyllin, Quinbron,	
Theophylline	Respbid, Slo-Phyllin, Slo-	500,000
	bid, Theo-24, Theo-Dur,	
	Theolair	
Thiamine HCI	Betalins, Biamine	500,000
Thioridazine HCI	Mellaril	500,000
Thiothixene	Navane	500,000
Thonzylamine		500,000
	Betimol, Blocadren,	
Fimolol maleate	Timoptic	500,000
Folbutamide	Orinase	500,000
Tolmetin	Tolectin	
	i diecani	500,000
m-Toluic acid		500,000
o-Toluic acid		500,000 500,000
Tramadol	Ultram	

Negative	Trade	Concentration
Compounds	Name	(ng/mL)
Trazodone HCl	Desyrel	500,000
	Aristocort, Aristospan,	
Triamcinolone	Azmacort, Kenalog,	500,000
	Nasacort	<u> </u>
Triamterene	Dyrenium	100,000
Triazolam	Halcion	100,000
Tribenzylamine		500,000
Triflupromazine HCl	Vesprin	500,000
Trihexylphenidyl HCl	Artane	500,000
Trimethobenzamide HCI	Arrestin, T-Gen, Tebamide,	62,500
THIRTEURODENZAMING FIGH	Tigan, Trimazide	
Trimethoprim	Proloprim, Trimpex	500,000
Trimipramine maleate	Surmontil	500,000
Tripelennamine HCl	PBZ, PBZ-SR	500,000
Triprolidine HCI	Actagen, Allerfrin, Aprodine	500,000
Tropic acid	_	500,000
Tropine	I-Tropine, Ocu-Tropine	500,000
Tryptamine HCI		500,000
Tryptophan		500,000
Tyramine		500,000
Tyrosine		500,000
Urea	Aquacare, Carmel, Grodon's Urea, Ureaphil	500,000
Uric Acid		500,000
Veniafaxine	Effexor	1,000,000
Verapamil HCl	Isoptin, Verelan	500,000
Warfarin	Coumadin	500,000
Zolpidem hemitartrate	Ambien	500,000
Zomepirac Na+ salt		500,000
Zoplicone	Imovane	500,000



Olympus **AU2700**® Chemistry-Immuno Analyzer

General Characteristics

Test Menu Selection: On-board Parameters: 125 99

Maximum Tests/Hour

2133 (photometric + ISE) 1600 (photometric only)

Analytical System:

Fully selective discrete analytical

Methods:

Endpoint

Endpoint with self blanking Endpoint with sample blanking

Kinetic rate Fixed rate

Sample Processing

Selection:

Single, multiple, or profile

Sample Volume: Sample Type:

1 - 25 µL [0.1 µL increments] Serum, plasma, urine, CSF

Sample Tray Capacity:

300 samples by rack

Sample Container:

22 samples by carousel 12 x 75 - 16 x 100 mm tubes

5, 7, 10 mL primary collection tubes

Sample Transport:

10 position bar-coded rack

STAT Compartment:

22 user-definable for STAT, QC, cal, routines

enclosed and refrigerated module

Sample Quality Analysis:

Lipemia, Hemolysis, Icterus

Clot detection

Probe crash prevention

Sample Identification:

Bar code reader [Maximum 22 Digits; 95 mm]

Sample Bar Code Formats: As mixed bar codes:

NW7

Code 39 Code128 2 of 5 interleaved

2 of 5 standard

Alone:

ISBT code 128

Reagent Identification:

Bar code reader

Reagent Configuration:

Concentrated and full strength

Reagent Volume: Reagent Delivery: R1 and R2: 15 - 250 µL [1 µL increments] One or two reagent pipetter dispensing

Reagent probe crash prevention

Reagent Storage:

4 - 12° C

Reagent Bottle Capacity: 15, 30, 60, 120 mL Reagent Storage Capacity: R1 = 48, R2 = 48

Reaction Mixture:

Minimum = 120 uL Maximum = 430 µL

Reaction Temperature:

37° C

Reaction Incubation Method:

Reaction Cell:

6 x 8 x 30 mm nondisposable glass cuvette

Reaction Time:

8 min. + 20 sec. (maximum)

Repeat Run:

Automatic repeat run

Increase or decrease sample volume

Reflex Testing:

User defined

ample Predilution:

Dilution ratio 5 - 100 by one-fold increments

ISE Module

Analytical System:

Flow cell block with ISE

Analytical Tests:

Sodium [Na+], Potassium [K+], Chloride [CI-]

Sample Throughput:

267 samples/hour

Maximum Test/Hr: Sample Type:

800, if ISE mode only Serum, plasma, urine [undiluted]

Sample Volume:

20 uL

Final Dilution Ratio: Measuring Range:

1:31.5 Serum and clasma:

Sodium 50 - 200 mEa/L Potassium 1.0 - 10.0 mEo/L

50 - 200 mEq/L Chloride

Urine:

Sodium 10 - 400 mEa/L Potassium 2.0 - 200 mEg/L 15 - 400 mEq/L

Chloride Electrode Composition: Sodium

Crown-ether membrane Crown-ether membrane

Potassium Chloride

Molecular oriented solid membrane

Reference Liquid on liquid membrane

Optical Characteristics

Photometer:

Multi-wavelength diffraction grating

spectrophotometer

Light Source:

Tungsten-halogen lamp; life 2000 hours

Photometric Modes: Wavelengths:

Monochromatic or bichromatic 340, 380, 410, 450, 480, 520, 540, 570, 600,

660, 700, 750 and 800 nm

Light Path: Photodetector:

Silicon photodiode array

Photometric Range:

0.000 to 2.5000

Photometric Sensitivity: 0.0001 OD

Data Processor

Interface:

Standard RS232C: bidirectional Real time and batch processing

Program Storage:

6.4 GB hard drive, CD-ROM drive Results from up to 60,000 samples

Patient Storage: Data Input:

Alphanumeric keyboard, mouse, or interface

Display: Printer:

17 in. monitor Dot matrix Windows®

Software:

Graphic user interface System status screens User defined operating menu Maintenance training videos Operator manual with links, search

Advanced calibration QC trending Auto-QC

Daily test statistics User-defined calculated tests Sample and test oriented data editing Multi-level password protection

Reaction curve monitor Olympus SUPPORTVISION™

Olympus **AU2700**®

Electrical Requirements

Electrical Consumption: 6 KVA [maximum] Current [Circuit Breaker Required]: 30 Amp [standard]

50 Amp with UPS

Circuit:

Dedicated and noise free

Voltage:

208/220 VAC [±10%] single phase

Frequency:

60 (±1 Hz)

Ground Requirements: Location:

Resistance < 100 ohms Power cable length 30 ft.

Environmental Requirements

Average Heat Output:

10.500 BTU

Ambient Temperature:

18 - 32 ± 2° C during measurement

Ambient Humidity:

40 - 80% relative humidity

Peak Water Consumption:

65 L/hour

Water Type:

Deionized CAP Type II, bacteria free

Supply: Resistivity: Pressure:

Continuous flow > 0.5 Megaohm 7 - 57 PSI

Control:

Shut off valve within 30 ft.

Drain Requirements

Non-hazardous Waste:

Built-in waste pump

Drain required

79 in.

45 in.

50 in.

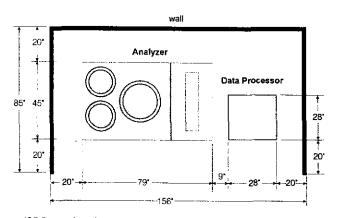
1,540 lbs.

Maximum height - 4 ft

Dimensions

Width: Depth: Height: Weight:

Installation Requirements



ISE Compartment Reagent Probes Mixer 30 x 10 Position Reagent Rack Feeder Compartments

STAT Compartment Dual Sample Probes Sampler Track

OLYMPUS

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Windows is a registered trademark of Microsoft Corporation.

W	Month	Year



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DAILY ANALYZER	1	2	3	4	5	8	7	В	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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Automated Chemistry Analy AU2700 User's Guide

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MONTHLY ANALYZER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	20	29	30	31
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Automated Chemistry Analy AU2700 User's Gi

Chapter F - Maintenance

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Chapter F - Maintenance

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Paracelsus Training Schedule

Wednesday

Time	ltem
12:30 - 1:00	I. Introduction
	II. Hardware Installation
	a. Setup Zebra LP 2824 Plus barcode printer
	b. Establish communication with analyzer
	III. Software Installation
1:00-2:00	a. Login to Paracelsus and create desktop shortcuts for
	Paracelsus and Paracelsus relay
	b. Create username and password for laboratory techniciar
	IV. Site Setup
	a. Update Lab Info
•	b. Create format of barcode labels
2:00-2:30	c. Modify Patient/Order Entry Page Layout Setup
	d. Setup Collection Site
	e. Modify final result report
	f. Create agencies and subagencies
	g. Add Panels
	V. Walkthrough of Paracelsus
	a. New Entry
	b. Work List
	c. Order List
	d. Result List
2:30 – 4:30	VI. Quality Control
	a. Print QC barcodes
	b. Place QC barcodes on test tubes
	c. Pour controls into tubes
	d. Place tubes in analyzer and begin test
	e. If QC fails, rerun failed QC
	f. Daily Report

Thursday

Time	Item
9:00 - 10:00	VII. Quality Control
10:00 – 11:00	VIII. Entering Patients/Donors & Ordering Tests a. Identification b. Requestor/Screening c. Address d. Insurance Information e. Select Panel f. Create Accession
11:00 - 12:00	LUNCH
12:00 – 2:00	IX. Run Samples a. Place barcodes on specimen tubes b. Work List c. Place racks in analyzer d. Order List e. Result List f. Final Result Report
2:00 – 5:00	X. Pools a. Color Setup b. Offday Setup c. Pool Setup d. Pool Schedule e. Daily Schedule XI. Administration a. User Settings b. User Admin c. Agency/SubAgency d. Drug Assay



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Paracelsus

PARTICISE

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actinnovations.com

Paracelsus

Paracelsus is a web-based toxicology results system with data provided right to the desktop. It has tools to help you effectively manage your drug testing program with timely test results. It provides an easy to use, intuitive means to enter data, generate orders and retrieve results quickly and easily. All the criteria needed to run a full lab are available; chain of custody documentation, bar coding (used to integrate with drug testing instruments), multi-tiered hierarchy, random color code scheduling, online reports, and the ability to invoice agencies and subagencies. Paracelsus is an inexpensive way to control your drug testing needs and

perform accurate drug testing for

your customers.



- 24 x 7 System Access via the Internet
- Intuitive, User Friendly Screens
- · Web-Based Order Entry
- . Remote Data Entry to Schedule Tests
- "Global Search Capability
- Random Color Coding
- Barcode Label Generation
- Multi-Tiered Hierarchy
- Web Based Results Queries From the Lab to Your Laptop
- Unlimited Random Color Pools to Schedule Donors
- Chain of Custody (COC)
- Online or Printed Reports
- Secure 2048 Bit Encryption
- * to Protect Information

Drug Court Case Management (DCCM)

Integration

Instrument Integration Hosted

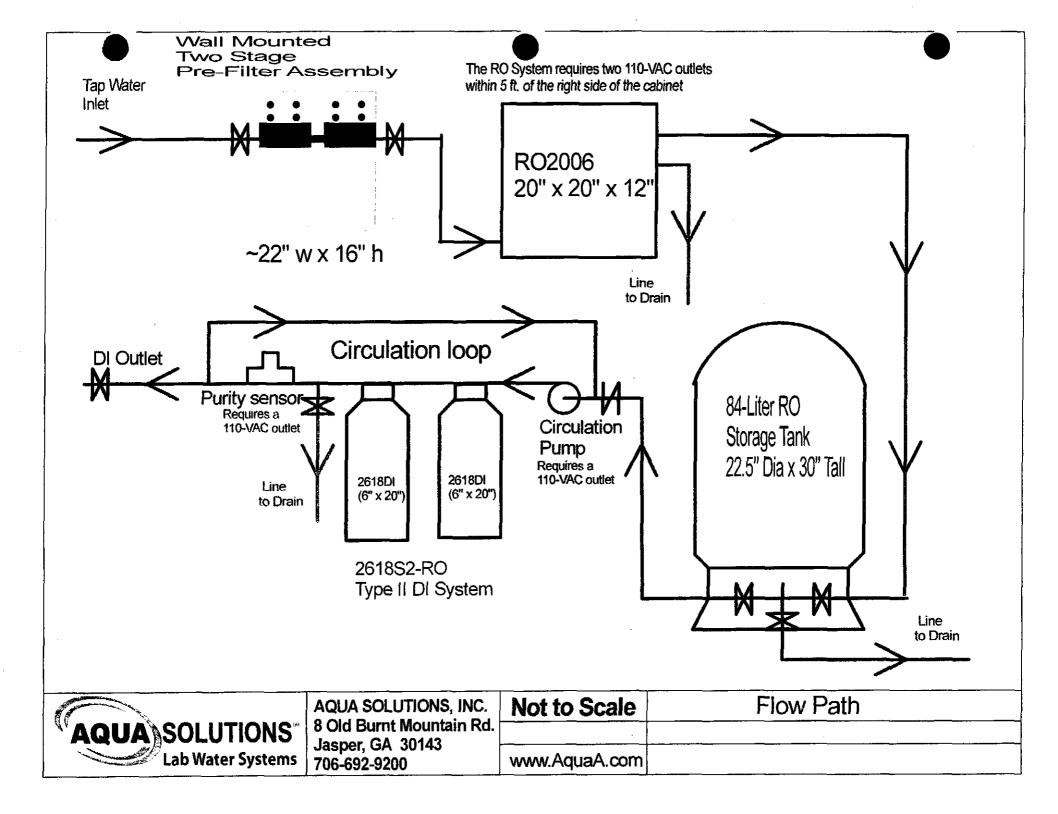
- Solutions
- * Remote System Management
- * On-site and Live Remote Training
- * 24 x 7 Support with Live Coverage, Online
- Support and Web Based Assistance

ACT

Since its inception. Advanced Computer Technologies (ACT) has become an industry leader in the design and development of case management solutions. For over 12 years, we have worked with our clients to develop a very strong and extensive portfolio of software applications.

One of our most successful systems, the Drug Court Case Management System (DCCM), led to the development of Paracelsus. We collaborated with our customers to develop what we believe is a first class solution for drug testing labs. Not only can Paracelsus manage operations in the lab, but it also works with partner instruments and has successfully been integrated into a statewide drug court case management system. We currently have Paracelsus solutions active in over 30 states.

Our case management solutions provide the ability to share information, capture valuable demographic data and monitor the outcome of programs, enabling judicial, treatment, and administrative professionals the ability to collaborate together. We believe our products can provide solutions and answers for you, regardless of whether you work in a lab or as a court administrator.



H. Adjusting RO Storage Tank Shutoff Pressure

<< Note >>

If the storage tank pressure gauge reads less than 60 PSI or more than 70 PSI when the booster pump shuts off, the pressure switch should be adjusted as follows:

- a. The storage tank pressure switch is a gray box with 2 electrical wires going to it. It is attached to a ¾" black tee fitting, which is mounted on the back of the system cabinet.
- The pressure switch has 2 set screws located inside the cover. A small nut driver can be used to adjust the setting.
- c. Instructions are located inside the cover for making adjustments.

I. Replacing Prefilter and RO Membrane Cartridge

\triangle << CAUTION >> \triangle

Before removing or replacing the prefilter cartridges or RO membrane modules, the system must be shut down per the procedures in Section I-1 below.

1. System Shutdown Procedures

Before replacing the activated carbon prefilter cartridge and/or RO membrane cartridge, the system must be shut down per the following procedures:

- a. First, close the RO system inlet valve located on prefilter assembly (V-1). This will cause the system to automatically shut off due to low inlet pressure. Then, close the storage tank inlet (V-4) and outlet (V-5) valves, and open the storage tank drain valve (V-3).
- b. Unplug the system's 24 VAC transformer cords.
- c. Make sure the system pressure gauge on the booster pumps reads zero before proceeding (note that it may take several minutes for it to go all the way down to zero).

2. Replacing the Sediment and Activated Carbon Prefilter Cartridge

Perform procedures I-1-a, I-1-b and I-1-c above.

- Note and record the date and the number of gallons showing on the flow totalizer.
- b. Unscrew the first filter bowl by hand (it may take 2 strong hands to do this) and remove the cartridge. Clean the filter bowl, as required, with a mild detergent solution.
 - PF-1 Sediment Filter Part # CNBB15005MP
 - PF-2 Sediment Filter Part # CCBB1020
- c. Place the new cartridge in the filter bowl, making sure the flat cartridge gaskets are properly aligned and seated in the cartridge itself.
- Repeat for second filter bowl.
- e. Make sure the filter bowl O-ring seal is properly seated in the O-ring seal groove on filter bowl.
- f. Screw the filter bowl onto the filter housing and tighten it firmly by hand.

Do not over-tighten the prefilter bowl. It is designed to seal properly when tightened per the above. If the prefilter bowl leaks where it joins the housing, the O-ring seal is probably not properly seated.

g. Go to Section G of this manual and follow the startup procedures.

3. Replacing the RO Membrane Cartridge

<< Note >>

IF YOU ARE NOT FAMILIAR WITH REPLACING RO MEMBRANE CARTRIDGES, IT IS A GOOD IDEA TO PURCHASE FACTORY INSTALLATION ALONG WITH THE NEW RO CARTRIDGES, SINCE INSTALLATION CAN BE A COMPLICATED PROCESS THAT REQUIRES SPECIAL TOOLS. AS A FRINGE BENEFIT, FACTORY INSTALLATION INCLUDES RESTART AND FINE TUNING OF THE SYSTEM.

a. Perform procedures I-1-a, I-1-b, H-1-c, and I-1-d above.

 Δ << warning – safety hazard – read entire warning before proceeding >> Δ

MAKE SURE THAT ALL ELECTRICAL POWER TO THE SYSTEM HAS BEEN TURNED OFF OR DISCONNECTED, AND THAT ALL PRESSURE GAUGES ARE READING ZERO, REPEAT ZERO, BEFORE REMOVING THE RO CARTRIDGES FROM THEIR HOUSINGS.

- b. The RO module is mounted vertically in the system. In order to replace the RO cartridge inside, it is necessary to remove the RO module from the system. First, remove the tubing from the top and bottom ends of the RO module, marking each one for reference. Note that water will drain out of cartridge at this time.
- c. Then, remove the RO module from the system by loosening its mounting clamp.
- d. Plastic clips are used to hold the end caps in the RO module. Lay the RO housing on a bench horizontally, and remove the clips from each end.
- e. Pry off end caps, noting and marking which end each plug is installed in.
- f. Remove the RO membrane cartridge from the RO module, pushing or pulling it out in the direction of the feed flow arrows. Note and mark which end has the brine seal. Caution Always remove and install the RO cartridge in the direction of the flow arrows to prevent the brine seal from folding over or creasing. Note that the brine seal is always on the feed inlet end of the RO cartridge.
- g. Install the new RO cartridge in the RO housing. Caution Always remove and install the RO cartridge in the direction of the flow arrows to prevent the brine seal from folding over or creasing. Note that the brine seal is always on the feed inlet end of the RO cartridge.
- h. Lubricate the end caps and O-rings with a food grade lubricant and tap them into place with a rubber mallet.
- i. Fasten the plastic clips.
- Reinstall the RO module.
- k. Reinstall the hoses to the tops and bottoms of the module ends.
- Go to Section G of this manual and follow the startup procedures EXACTLY, starting with Step 1. The
 reason for this is that the new RO cartridges may have different operating characteristics than the old
 ones; so all system operating parameters should be re-evaluated and adjusted at this time.

Δ << caution >> Δ

NEW RO MEMBRANE CARTRIDGES CONTAIN A PRESERVATIVE. WHEN RESTARTING A SYSTEM THAT HAS NEW RO MEMBRANE CARTRIDGES, RUN ALL RO PRODUCT AND RO REJECT WATER TO DRAIN FOR 1 HOUR TO PURGE THE SYSTEM OF THE PRESERVATIVE.

J. System Maintenance

1. Routine System Maintenance

AQUA SOLUTIONS RO Systems are designed to eliminate routine maintenance, with the exception of:

- a. Weekly or daily monitoring of the system's gauges, flow meters, flow totalizer and TDS monitor.
- b. Monthly draining of the RO storage tank.
- c. Periodic replacement of the prefilter cartridge every 40,000 gallons as measured by the system's flow totalizer (or sooner if it plugs up with sediment).
- d. Replacing the RO membrane cartridge, as required, based on performance.

\triangle << Warning >> \triangle

The activated carbon prefilter cartridge should be replaced every 40.000 gallons as monitored by the flow totalizer. Failure to do so could cause the RO membrane cartridge to fail prematurely due to chemical attack by chlorine in the incoming tap water.

<< Note >>

The RO cartridge should last 1-3 years, depending on operating conditions. They can fail in 3-ways:

- (1) The output rate slowly decreases with time as the membrane pores become clogged with contaminants. This is especially true if they are operated at a high rate of recovery (i.e., an RO reject water flow rate of less than 2 times the RO purified water flow rate).
- (2) The membrane can tear, causing the rejection rate to decrease.
- (3) Chlorine can chemically attack them, causing a reduction in both the output rate and the rejection rate.

2. Maintaining the Pressure Booster Pumps

a. The pressure booster pump/motor assembly does not require any routine maintenance.

3. Maintaining the Conductivity Monitor

a. The solid state RO Controller is designed to provide reliable, long-term performance without routine maintenance, other than periodic calibration of the instrument and cleaning of the conductivity cell.

4. Maintaining the Cabinet Exterior

$ilde{\Lambda}$ << Warning >> $ilde{\Lambda}$

Do not clean the system cabinet with solvents or acids.

- The system cabinet is constructed from high quality plastic materials that are specifically designed to resist deterioration and corrosion in wet environments.
- b. These plastic materials, however, can be severely damaged by many solvents, including chlorinated and aromatic hydrocarbons, esters, and ketones, and by strong acid solutions.
- c. If the cabinet exterior requires cleaning, use only a mild detergent solution or glass cleaner.

H. Replacing DI Tanks and Final Filter

Δ << warning >> Δ

BEFORE REPLACING THE DI TANKS. THE SYSTEM MUST BE SHUT DOWN PER THE PROCEDURES IN SECTION I-1 BELOW.

1. System Shutdown Procedures

Before replacing the DI tank(s) the system MUST be shut down per the following procedures:

- a. Close water inlet valve on RO storage tank.
- b. On Model 2635S2DW-RO Only, close storage tank valves (V-2) and (V-3), and open valve (V-1).
- c. On all other models, open water outlet valve, or hold down trigger on remote dispenser or DI spray gun (if so equipped), until no more water is flowing.

2. Replacing the DI Tank(s)

- a. Perform procedures I-1-a, I-1-b, and I-1-c above.
- b. Disconnect inlet/outlet tubing quick disconnects from Tank(s).
- c. On single tank systems, remove the exhausted tank and replace it with the spare tank.
- d. On two tank systems, remove the FIRST tank that is just downstream of the RO outlet, and replace it with the SECOND tank. Then, install the spare tank in the SECOND position. In other words, on two tank systems, the tank in the second position is moved forward to the first position and the new tank always goes in the second (or last) position.
- e. On three tank systems, remove the FIRST tank that is just downstream of the RO outlet, and replace it with the SECOND tank. Then, replace the SECOND with the THIRD tank. Then, install the spare tank in the THIRD position. In other words, on three tank systems, the tank in the second position is moved forward to the first position, the tank in the third position is moved forward to the second position, and the new tank always goes in the third (or last) position.
- f. Re-connect tubing. Make sure tubing is connected in proper sequence.
- g. Go to Section G of this manual and follow start-up procedures.
- Return the exhausted DI tank to AQUA SOLUTIONS or your local Authorized Dealer for refilling.
 (See Section L for details)

3. Replacing the Final Filter Capsule

- a. This procedure can be done without shutting down the system.
- b. Unpack new filter and wrap the threads with 3-4 wraps of Teflon tape.
- Carefully unscrew the final filter capsule from the remote dispenser. Carefully screw the new capsule into the remote dispenser, being careful not to cross thread it. (Loosely hand-tighten only!)
- d. Squirt some water out of the system via the remote dispenser.
 - Note that air within the system (especially after replacing the purification kit) can become entrapped on the inlet side of the final filter capsule and create an "air lock", since the filter does not allow the air to pass through. The inlet side of the capsule includes a vent, about 1/4" in diameter. To eliminate the "air lock", loosen the vent about 1/4 to 1/2 turn. While holding the remote dispenser so that the final filter capsule points down, very slowly depress the remote dispenser trigger just a little bit and allow some water to flow into the capsule to displace the entrapped air. Re-tighten the vent while the water is flowing.

I. System Maintenance

1. Routine System Maintenance

AQUA SOLUTIONS Type II Water Purification Systems are designed to eliminate routine maintenance, with the exception of periodic replacement of the DI tanks and final filter capsule (if so equipped).

Note: that the DI tank is replaced when the purity monitor light changes from green to red and remains red.

Note: that the final filter capsule (if so equipped) should be changed out every eight months, or whenever either one appears to be dirty.

2. Maintaining the Purity Monitor Light

Note: If purified water has NOT been taken from the system for several hours (or overnight, or over a weekend), the resistivity purity monitor light may go from green to red. As the DI tanks age and become partially exhausted, this may occur more frequently.

This does not necessarily mean that the DI tanks are exhausted. To confirm this, the light should almost immediately come back to green as soon as some purified water is taken from the system. If it does not, the DI tanks are beginning to exhaust, and installation of the spare tank should be considered. When the light stays red, the spare DI tank should be installed.

When the resistivity monitor light remains red, the first tank in series is fully exhausted, and the second and third (if so equipped) tanks are partially exhausted. By moving up the partially exhausted tank(s), and putting the new tank in the final position, the remaining capacity in the partially exhausted tank(s) can be fully utilized to prolong the life of the new tank.

J. System Specifications

1. Specifications

Minimum Inlet Water Pressure to System (psi):	25
Maximum Inlet Water Pressure to System (psi):	100
Maximum System Operating Pressure (psi):	60
Maximum System Flow Rate (Liters/Min):	3-6
Maximum 130 liter Storage Tank Flow Rate (Liters/Min):	40
Minimum Output Water Quality (Megohm-cm):	

2. Components and Accessories

Part Number	<u>Description</u>
2618DI	6" X 18" ¼ Cubic Foot Spare DI Tank Assembly (filled) - 2,500 Grains.
2635DI	6" X 35" ½ Cubic Foot Spare DI Tank Assembly (filled) - 5,000 Grains.
2615F	Polypropylene DI Faucet with Needle Valve
2615FL	Polypropylene DI Faucet with Needle Valve & Purity Monitor Light.
2700N	Remote Teflon Pure Water Dispenser with 0.2 um Filter Capsule.

3. Consumables

2618DIR	Ion Exchange Resin Refill for 2618DI Tank (2,500 Grains).
2635DIR	Ion Exchange Resin Refill for 2635DI Tank (5,000 Grains).
DC2004	0.2 µm Final Filter Capsule (if so equipped)

K. Returning Exhausted DI Tanks and Ordering Resin Refills

Each Type II DI System includes one (1) Spare 2618DI or 2635DI tank assembly, packaged in a reusable shipping carton.

When a DI tank becomes exhausted, it is removed from the system and the spare DI tank is installed in the final position, per Section I-3 of this manual.

The exhausted DI tank is then returned to **AQUA SOLUTIONS**, or (for International Customers ONLY) one of its Authorized Dealers, where it is cleaned, inspected, repaired as necessary, refilled with fresh ion exchange resin, and returned to the customer.

<< NOTE >>

THE SHELF LIFE OF THE ION EXCHANGE RESIN IN A 2618DI OR 2635DI TANK IS APPROXIMATELY ONE (1) YEAR. PLAN YOUR RESIN REFILL PURCHASES ACCORDINGLY.

Here's how the resin refill program works:

- Upon receipt and/or installation of the spare DI tank, SAVE THE REUSABLE SHIPPING CARTON THAT IT CAME IN!
- Package the exhausted DI tank in the saved reusable shipping carton.
- Obtain a purchase order for a 2618DIR or 2635DIR resin refill (whichever applies to the system at hand). Note that the exhausted DI tank's label includes the correct part number for ordering a resin refill.
- 4. Contact **AQUA SOLUTIONS**, or (for International Customers ONLY) one of its Authorized Dealers, and place the purchase order for the resin refill.
- 5. Ship the exhausted tank FREIGHT PREPAID by customer, via UPS, parcel post, or other similar means to **AQUA SOLUTIONS** or (for International Customers ONLY) one of its Authorized Dealers:

AQUA SOLUTIONS, INC.
RESIN REFILL DEPARTMENT
ATTN: (INSERT YOUR PO #)
8 OLD BURNT MOUNTAIN ROAD
JASPER, GA 30143

- 6. Upon receipt of your purchase order, AND THE EXHAUSTED DI TANK, AQUA SOLUTIONS, or (for International Customers ONLY) one of its Authorized Dealers, will clean, sanitize, repair, and refill the tank with fresh ion exchange resin and ship it back to you via UPS or some other appropriate method. The freight charges will be prepaid and added to the invoice.
- Upon receipt, the customer should place the tank in inventory for future use, MAKING SURE TO SAVE THE REUSABLE SHIPPING CARTON THAT IT CAME IN!
- 8. For those USA customers who are not setup to ship via UPS, etc., arrangements can usually be made in the USA (in most cases) to issue a UPS pickup call tag at a nominal charge, in which case UPS will come in and pick up the shipment. Contact our technical service department for details.

STORAGE UPON ARRIVAL

For long term storage of product check product label

Ambient (+15°C to + 30°C)-

Refrigerate (+2°C to +8°C)

Frozen (-25°C to -15°C)

Deep Freeze (-85°C to -68°C)

This box contains items with multiple storage conditions

HANDLE WITH CARE.

In case of damage, notate information on carrier manifest.

MULTI-BOX SHIPMENT

Box

Any delays of this priority shipment contact:

USA 1-510-979-5000

Toll Free: 1-800-232-3342

QUALIFIED SHIPPING CONDITION

Gel Pack

Dry Ice

Ambient

PERISHABLE

FREMONT, CA 94538 UNITED STATES US

STACIA DAW TACIA DAWS 301 WEST H

JEFFERSON



TRK# 4291 3776



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