



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header @ 4

List View

General Information [Contact](#) [Default Values](#) [Discount](#) [Document Information](#) [Clarification Request](#)

Procurement Folder: 1517260

Procurement Type: Central Master Agreement

Vendor ID: 000000120548

Legal Name: NATIONAL MEDICAL SERVICES INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 10/29/2024

Response Time: 9:45

Responded By User ID: nmmlabs

First Name: Laurie

Last Name: Caubet

Email: nms@nmmlabs.com

Phone: (215) 657-4900

SO Doc Code: CRFQ

SO Dept: 0506

SO Doc ID: CME2500000002

Published Date: 10/18/24

Close Date: 10/30/24

Close Time: 13:30

Status: Closed

Solicitation Description: POSTMORTEM TOXICOLOGY TESTING

Total of Header Attachments: 4

Total of All Attachments: 4



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Solicitation Response

Proc Folder: 1517260		
Solicitation Description: POSTMORTEM TOXICOLOGY TESTING		
Proc Type: Central Master Agreement		
Solicitation Closes	Solicitation Response	Version
2024-10-30 13:30	SR 0506 ESR10292400000003089	1

VENDOR
000000120548 NATIONAL MEDICAL SERVICES INC

Solicitation Number:	CRFQ 0506 CME2500000002		
Total Bid:	0	Response Date: 2024-10-29	Response Time: 09:45:29
Comments:	Please see NMS Labs response attached.		

FOR INFORMATION CONTACT THE BUYER Crystal G Hustead (304) 558-2402 crystal.g.hustead@wv.gov		
Vendor Signature X	FEIN#	DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Toxicology test kits or supplies				

Comm Code	Manufacturer	Specification	Model #
41116146			

Commodity Line Comments: See Exhibit A Pricing Page CRFQ-0506-CME2500000002_NMS Labs (attached)

Extended Description:
 PRICING TO BE INCLUDED ON ATTACHED EXHIBIT A PRICING PAGE

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Expert Witness Testimony				

Comm Code	Manufacturer	Specification	Model #
80121903			

Commodity Line Comments: See Exhibit A Pricing Page CRFQ-0506-CME2500000002_NMS Labs (attached)

Extended Description:
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**STATE OF WEST VIRGINIA
OFFICE OF CHIEF MEDICAL EXAMINER (OCME)**

RESPONSE TO CENTRALIZED REQUEST FOR QUOTE:

CRFQ-0506-CME2500000002

POSTMORTEM TOXICOLOGY TESTING

OCTOBER 30, 2024

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2	Response to Specifications
3	Licensure and Accreditation Copies of ANAB, CAP-LAP, and CAP-ISO certificates Certificate of Insurance
4	Complete List of NMS Labs SOPs Detailed Scope of Testing Sample Report
5	Federal Funds Addendum

Attachments: NMS Labs 2024 Fee Schedule
NMS Labs Expert Services Professional Support

Section 1

TITLE PAGE

CRFQ-0506-CME2500000002
POSTMORTEM TOXICOLOGY TESTING
Closing October 30, 2024 – 1:30 PM

Submitting Organization:	NMS Labs 200 Welsh Road Horsham, PA 19044 1.800.522.6671
Authorized Personnel for Contractual Obligation:	Eric F. Rieders, Ph.D. Interim President and CEO nms@nmslabs.com 1.800.522.6671
Authorized Personnel for Contractual Clarification:	Tinene Alter Territory Manager Tinene.Alter@nmslabs.com 1.267.836.6688

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Tinene Alter, Territory Manger

(Address) 200 Welsh Road, Horsham, PA 19044

(Phone Number) / (Fax Number) (267) 836-6688 / (215) 366-1504

(email address) Tinene.Alter@nmslabs.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

NMS Labs

(Company)

(Signature of Authorized Representative)

Eric Rieders, Interim President and CEO

(Printed Name and Title of Authorized Representative) (Date)

(800) 522-6671 / (215) 366-1504

(Phone Number) (Fax Number)

nms@nmslabs.com

(Email Address)



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote
Laboratory

Proc Folder: 1517260			Reason for Modification:
Doc Description: POSTMORTEM TOXICOLOGY TESTING			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2024-09-26	2024-10-15 13:30	CRFQ 0506 CME2500000002	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: 000000120548
Vendor Name : NMS Labs
Address : 200 Welsh Road
Street :
City : Horsham
State : PA **Country :** US **Zip :** 19044
Principal Contact : Eric Rieders, Interim President / CEO
Vendor Contact Phone: 215-657-4900 **Extension:**

FOR INFORMATION CONTACT THE BUYER

Crystal G Hustead
(304) 558-2402
crystal.g.hustead@wv.gov

Vendor Signature X  **FEIN#** 23-1731658 **DATE** 10/28/2024

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

THE STATE OF WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WEST VIRGINIA DEPARTMENT OF HEALTH, OFFICE OF THE CHIEF MEDICAL EXAMINER, IS SOLICITING BIDS TO ESTABLISH A CONTRACT FOR POSTMORTEM TOXICOLOGY TESTING PER THE ATTACHED DOCUMENTS.

QUESTIONS REGARDING THE SOLICITATION MUST BE SUBMITTED IN WRITING TO CRYSTAL.G.HUSTEAD@WV.GOV PRIOR TO THE QUESTION PERIOD DEADLINE CONTAINED IN THE INSTRUCTIONS TO VENDORS SUBMITTING BIDS

INVOICE TO

HEALTH AND HUMAN
RESOURCES
BUREAU FOR PUBLIC
HEALTH OFFICE CHIEF
MEDICAL EXAMINER
619 VIRGINIA ST WEST
CHARLESTON WV
US

SHIP TO

HEALTH AND HUMAN
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HEALTH OFFICE CHIEF
MEDICAL EXAMINER
619 VIRGINIA ST W
CHARLESTON WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Expert Witness Testimony				

Comm Code**Manufacturer****Specification****Model #**

80121903

Extended Description:

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SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	VENDOR QUESTION DEADLINE	2024-10-03

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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



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Purchasing Division
2019 Washington Street East
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Proc Folder: 1517260			Reason for Modification: ADDENDUM 1 TO EXTEND BID OPENING
Doc Description: POSTMORTEM TOXICOLOGY TESTING			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2024-10-09	2024-10-30 13:30	CRFQ 0506 CME2500000002	2

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
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VENDOR

Vendor Customer Code: 000000120548
Vendor Name : NMS Labs
Address : 200 Welsh Road
Street :
City : Horsham
State : PA **Country :** US **Zip :** 19044
Principal Contact : Eric Rieders, Interim President / CEO
Vendor Contact Phone: 215-657-4900 **Extension:**

FOR INFORMATION CONTACT THE BUYER

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crystal.g.hustead@wv.gov

Vendor
Signature X

FEIN# 23-1731658

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INVOICE TO			SHIP TO		
HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE CHIEF MEDICAL EXAMINER 619 VIRGINIA ST WEST CHARLESTON WV US			HEALTH AND HUMAN RESOURCES BUREAU FOR PUBLIC HEALTH OFFICE CHIEF MEDICAL EXAMINER 619 VIRGINIA ST W CHARLESTON WV US		

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SCHEDULE OF EVENTS

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1	VENDOR QUESTION DEADLINE	2024-10-03

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Proc Folder: 1517260			Reason for Modification: ADDENDUM 2 TO PROVIDE ANSWERS TO VENDOR QUESTIONS
Doc Description: POSTMORTEM TOXICOLOGY TESTING			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2024-10-18	2024-10-30 13:30	CRFQ 0506 CME2500000002	3

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1	VENDOR QUESTION DEADLINE	2024-10-03

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ADDITIONAL TERMS AND CONDITIONS

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ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ CME2500000002

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

NMS Labs

Company



Authorized Signature

10/28/2024

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

Section 2

RESPONSE TO SPECIFICATIONS

1. PURPOSE AND SCOPE

Understood and agreed.

2. DEFINITIONS

Understood and agreed.

3. GENERAL REQUIREMENTS

3.1 Mandatory Laboratory Licensure and Eligible Item Requirements

3.1.1 Eligible Items must maintain requirements of CAP. Vendor shall hold and maintain ISO 17025:2017 accreditation by ANAB and ABFT accreditation in the discipline of Postmortem Toxicology.

NMS Labs has always followed the most stringent standards available to assure our forensic clients that we produce superior quality results guided by accepted professional standards. NMS Labs is accredited by ANAB ISO/IEC 17025:2017 for:

- Toxicology
- Seized Drugs

This supports our goal of providing the highest quality forensic science services in a timely, confidential and professional manner. NMS Labs also holds national laboratory accreditations and licensures through the US Drug Enforcement Agency (DEA) Registration, College of American Pathologists (CAP) Laboratory Accreditation Program (LAP), and College of American Pathologists (CAP) ISO 15189. See Section 3 for a complete listing of NMS Labs licenses and accreditations as well as copies of our ANAB, CAP-LAP, and CAP ISO certificates.

3.1.2 Vendor shall hold and maintain ANAB ISO 17025:2017 accreditation and hold/maintain licensure by the DEA.

Please see statement 3.1.1.

3.1.3 Vendor must provide True forensic testing including two different analytical techniques or analysis performed by similar analytical methods on two separate specimen aliquots.

The scope of compounds and metabolites in NMS Labs Postmortem panels are analyzed by initial screening tests for preliminary identification and confirmed by more specific testing methods to provide quantitative identification of specific compounds identified by the initial screening. This includes using two analytical techniques on two separate aliquots.

The following is a list of the analytical techniques in general use within NMS Labs for screening and confirmation testing:

Screening

ELISA (Enzyme Linked Immunosorbent Assay)

EMIT (Enzyme Multiplied Immunoassay Technique)

FPIA (Fluorescence Polarized Immunoassay)

TLC (Thin-layer Chromatography)

Microdiffusion

Spectrophotometry

LC/MS/MS-TOF (Liquid Chromatography/Mass Spectrometry/Mass Spectrometry/Time of Flight)

LC/MS/MS (Liquid Chromatography/Mass Spectrometry/Mass Spectrometry)

HPLC (High Performance Liquid Chromatography) with various forms of detection (UV, Fluorescence, Electrochemical)

GC/MS (Gas Chromatography/Mass Spectrometry)

GC (Gas Chromatography) with various forms of detection (NPD, FID, ECD)

ICP/MS (Inductively Coupled Plasma Mass Spectrometry)

GFAAS (Graphite Furnace Atomic Absorption Spectrophotometry)

Confirmation

LC/MS/MS (Liquid Chromatography/Mass Spectrometry/Mass Spectrometry)

LC/MS/MS-TOF (TOF = Time of Flight)

GC/MS (Gas Chromatography/Mass Spectrometry)

ICP/MS (Inductively Coupled Plasma Mass Spectrometry)

3.1.4 Vendor must supply collection kits specifically for forensic cases, chain of custody forms, preprinted requisition forms, shipping and packaging labels.

NMS Labs will supply commercially manufactured and quality-controlled sample collection kits that are specially designed to handle postmortem samples along with preprinted analysis requisition forms with chain of custody documentation to submit samples for analysis. For routine shipment of samples to the laboratory, NMS Labs will provide all necessary supplies for prepaid shipping via Federal Express Standard Overnight service at no additional cost.

3.1.5 Vendor shall provide a current directory or online test catalog of comprehensive scope of tests available.

See Section 5 for Postmortem Toxicology Scope of Testing. Additionally, NMS Labs website (www.nmslabs.com) provides a real-time, on-line Test Catalog of available services that is updated as new testing is introduced.

3.1.6 Vendor shall provide an annual positivity report and a quarterly and annual test utilization report that will be reviewed with a Toxicologist/Certifying Scientist.

Understood and agreed.

3.1.7 Vendor laboratory shall provide an example of an existing panel that triggers/reflexes to other testing to a different matrix for metabolites to demonstrate their testing flexibility.

See Section 5 for 8052B Postmortem, Expanded, Blood (Forensic) screen and confirmation lists that include panel analytes, methodologies, and reporting limits.

3.1.8 Vendor shall participate in external Proficiency Testing Programs - CAP, etc. and must conduct in-house Proficiency Testing and Quality Assurance Programs, with ability to present documentation upon demand.

NMS Labs understands that Quality Assurance and Quality Control are an integral part of the laboratory. NMS Labs has a dedicated Quality Assurance department that assures compliance to accreditation and certification standards. The Quality Assurance department monitors and administers all internal and external QA/QC protocols. Additionally, NMS Labs participates in comprehensive external proficiency testing programs, which compares our performance with other laboratories performing the same analysis.

A complete listing of proficiency testing and results are available upon request.

3.2 Testing and Surveillance

3.2.1 All forensic testing services to be performed on site at the Contractor's laboratory facility. Vendor laboratory shall not utilize a subcontractor for toxicology testing. Ref to: Testing Description attachment for a list of tests.

NMS Labs will not be utilizing any subcontractors to fulfill the requirements of this contract.

3.2.2 Vendor laboratory shall maintain an extensive surveillance library of novel psychoactive substances containing at least twenty (20) compounds that are routinely updated, minimally twice per year.

The introduction of new Novel Psychoactive Substances (NPS) has created challenges for all laboratories due to their evolving development and discontinuations. NMS Labs is constantly evaluating information from the media, drug user forums and casework to identify NPS compounds, which may be of interest and develop mechanisms to report these findings to our clients when appropriate. Giving proper emphasis to this national phenomenon, we have developed a focused developmental team for the NPS drug market.

The NMS Labs' NPS Strategy Team tracks the changing NPS market, identifying novel and emerging drugs and anticipating the most popular new substances. Using a broad range of information resources including the latest medical and scientific literature, data from our forensic drug chemistry casework and monitoring chatter from online drug user networks, the mission of this group is to listen, anticipate and proactively provide analytical solutions for the needs of our customers. It is designed to monitor the state of analytical science practice in the United States and internationally; steer the development of new tests, technologies and market opportunities; and ensure that the needs of both the public safety and public health clients for innovative tests are being met in a timely manner.

In addition to the compounds listed in our Expanded Postmortem panel, NMS Labs has identified several NPS substances that may be detected as part of the analytical work performed in this analysis. All samples tested through our Expanded Postmortem panel, which undergo our LC/TOF-MS screen, are evaluated using an internally developed secondary library specific to new and emerging NPS compounds to identify potential analytes of interest.

As of 10/28/24, the NMS Labs Surveillance Library includes the following as compounds that may be detected in forensic cases:

Expanded Panel Surveillance Compounds: 2-Furanylfentanyl, 2-Methyl AP-237, 3-hydroxy-PCP, 3-MeO-PCP, 3-Fluorophenmetrazine, Acrylfentanyl, alpha-PHP/alpha-PiHP, alpha-PVP, Amoxapine, AP-238, Benztropine, Bropheniramine, Brorphine, Bromazolam, Butylone, Butyrlfentanyl, Chloroquine, cis-3 Methylfentanyl, Cyclopropylfentanyl, Delorazepam, Deschloroetizolam, Diclazepam, Ethylone, Eutylone, Flecainide, Flualprazolam, Fluphenazine, Flurazepam, Fluvoxamine, Hydroxychloroquine, Hydroxyethylflurazepam, Hydroxytriazolam, Isotonitazene / Protonitazene, MDEA, Meclonazepam, Meperidine, Mesoridazine, Metaxolone, Methaqualone, Metonitazene, N-desethyl Isotonitazene, N-ethyl Pentylone, N,N-Dimethylpentylone, N-pyrrolidino Etonitazene, N-pyrrolidino Protonitazene, Normeperidine, Norpropoxyphene, para-Fluoroisobutyrylfentanyl, Pentylone, Perphenazine, Phenacetin, Phenazepam, Pheniramine, Propoxyphene, Pyrazolam, Quinidine, Tianeptine, Tizanidine, Theophylline, Thioridazine, trans-3-Methylfentanyl, Trifluoperazine, Trimipramine, Tripolidine, Vardenafil, Yohimbine, Zaleplon

NMS TotalTox Surveillance Compounds: 2-Methyl AP-237, 3-Fluorophenmetrazine, AP-238, Brorphine, Chloroquine, Deschloroetizolam, Meclonazepam, Pyrazolam, Tianeptine

In situations where NMS Labs may detect the presence of these compounds, the client will be notified to consult with us on next steps given the case history and testing capabilities at the time. Additional fees will apply for confirmation testing of the above-listed compounds. It is expected that with our dedicated approach to identifying NPS compounds of interest, this library of compounds will be dynamic and will change over time.

3.2.3 Laboratory Director must be ABFT or ABCC certified - toxicologist to provide expert services and a means of providing coverage if the laboratory director is un-available.

NMS Labs Core Laboratory Director, Dr. Robert Middleberg, is ABFT and ABCC certified. Additionally, NMS Labs has many other certified toxicologists on staff. Below are brief biographical summaries of NMS Labs toxicologists. CVs are available upon request.

Robert A. Middleberg, Ph.D., F-ABFT, DABCC-TC

Core Laboratory Director, Sr. VP of Quality Assurance and Regulatory Affairs, and Forensic Toxicologist

Dr. Robert A. Middleberg is the Core Laboratory Director at NMS Labs. He earned his Ph.D. in Pharmacology from Thomas Jefferson University and a master's degree in chemistry from the University of Pittsburgh. He is a Fellow of the American Board of Forensic Toxicology (F-ABFT) and a Diplomate in Toxicological Chemistry from the American Board of Clinical Chemistry (DABCC-TC). Dr. Middleberg is a faculty member at Thomas Jefferson University. He holds an active position on the Board of Directors for the American Board of Forensic Toxicology and served on the Board of Directors of the American Board of Clinical Chemistry. Dr. Middleberg was awarded the Rolla N. Harger award in 2013 for contributions to forensic toxicology by the Toxicology Section of the American Academy of Forensic Sciences. He is a member of many professional organizations, including the American Academy of Forensic Sciences, the Association for Diagnostics & Laboratory Medicine and the International Association of Therapeutic Drug Monitoring and Clinical Toxicology. Dr. Middleberg is a member of the College of American Pathologists Toxicology Committee and sat on the Editorial Board for the Journal of Forensic Sciences for many years.

Barry K. Logan, Ph.D., F-ABFT

Sr. Vice President of Forensic Science Initiatives, Chief of Forensic Toxicology

Dr. Barry K. Logan is a graduate of the University of Glasgow in Scotland graduating with degrees in chemistry and forensic toxicology in 1982 and 1986 respectively. He received four (4) years postdoctoral training in forensic toxicology at the University of Tennessee Center for Health Sciences in Memphis. In 1990, he was appointed State Toxicologist and Assistant Professor of laboratory medicine at the University of Washington in Seattle, and in 1999 he was appointed Director of Forensic Laboratory Services Bureau for the Washington State Patrol. He served in both positions until 2008, when he joined NMS Labs as National Director of Forensic and Toxicological Services. NMS Labs is a leading US provider of esoteric toxicological testing services, specializing in new drug detection and forensic analysis for the prosecution and defense in criminal justice and death investigation agencies. Dr. Logan's responsibilities include management of toxicology resources, new test design and development, quality management, and expert testimony in forensic toxicology and chemistry.

Dr. Logan is Board Certified by the American Board of Forensic Toxicologists (ABFT) and has over ninety (90) publications in toxicology and analytical chemistry, including treatises on the effects of methamphetamine, cocaine, marijuana, alcohol, hallucinogens and depressant drugs on drivers, and postmortem redistribution of drugs, and the toxicology and chemistry of novel psychoactive substances. His recent work has focused on the analytical and interpretive toxicology of emerging recreational and designer drugs. In 2002, Dr. Logan was appointed Executive Director of the Robert F Borkenstein Center for Studies of Law inaction at Indiana University where he directs the Borkenstein Courses. Since 2010, Dr. Logan has also served as Executive Director at the Center for Forensic Science Research and Education at the Fredric Rieders Family Renaissance Foundation in suburban Philadelphia. The Center supports educational programs in the forensic sciences for high school and graduate students and continuing professional education for forensic science professionals. Dr. Logan has made over three hundred (300) presentations to professional groups and conferences in the area of forensic science.

Dr. Logan is a member of many professional organizations in forensic science including the American Academy of Forensic Sciences (AAFS), the Society of Forensic Toxicologists, The American Society of Crime Laboratory Directors, The International Council on Alcohol, Drugs and Traffic Safety, and the Canadian Society of Forensic Sciences, and has served on the Transportation Research Board of the National Academies.

In recognition of his work and contributions, Dr. Logan has received International Association of Forensic Toxicologists mid-career achievement award in 2004, the AAFS Rolla N. Harger Award in 2010, the National Safety Council's Robert F. Borkenstein Award in 2011, and the Widmark Award from the International Council on Alcohol, Drugs and Traffic Safety (ICADTS) in 2013. He has served in various positions on the Board of the AAFS since 2005, and as President in 2013.

Lee Blum, Ph.D., F-ABFT, FAIHA

Assistant Laboratory Director, Forensic Toxicologist

Dr. Blum is a Director at NMS Labs and is responsible for laboratory services, consulting, and testing for occupational and environmental toxicants. He is a Forensic Toxicologist and serves as Assistant Laboratory Director at NMS Labs. He earned a Ph.D. in Pharmacology from Thomas Jefferson University, a master's in forensic chemistry from Northeastern University and is a graduate of Pennsylvania State University. Dr. Blum is a Fellow of the American Board of Forensic Toxicology and the American Industrial Hygiene Association. He serves on national committees in occupational biological monitoring and is a member of several professional organizations including the American Academy of Forensic Sciences, Society of Forensic Toxicology, American Conference of Governmental Industrial Hygienists, American Industrial Hygiene Association, American College of Occupational and Environmental Medicine, Association of Public Health Laboratories, and International Society of Exposure Science. He also teaches a course in Environmental Exposure Toxicology at Thomas Jefferson University in Philadelphia, PA.

Alexandria Reinhart, Ph.D., NRCC

Assistant Laboratory Director, Clinical Chemist

Alexandria Reinhart joined NMS Labs as an Assistant Laboratory Director in July 2022. She earned her Ph.D. in microbiology from the University of Maryland, Baltimore and completed a Clinical Chemistry Fellowship program at the University of Washington where she specialized in clinical toxicology. She is a certified clinical chemist through the National Registry of Certified Chemists (NRCC). Her previous research ranged in topics from biofilm formation, small RNAs in pathogenic bacteria, antimicrobial resistance, inborn errors of metabolism, and drugs of abuse.

Laura Labay, Ph.D., F-ABFT, DABCC-TC

Principal Toxicologist

Dr. Laura M. Labay is a Principal Toxicologist at NMS Labs. She earned a bachelor's degree in Biochemistry and Molecular Biology from the University of California at Santa Cruz, and Masters and Doctorate degrees in the field of Toxicology from the University of Rochester. Prior to joining NMS Labs, Dr. Labay worked for several years in the Forensic Investigation Division of the New York City Police Department. At the NYPD her primary responsibilities included analyzing evidentiary material for the presence of controlled substances and testing blood samples for DUI investigation purposes. As a Forensic Toxicologist, Dr. Labay reviews a wide variety of cases including those related to postmortem, human performance impairment (DUI/DUID) and drug-facilitated crime investigations. She has been qualified numerous times in several courts throughout the country as an expert in forensic toxicology. In her 20-year career at NMS Labs she has held a variety of technical and management positions including Laboratory Supervisor, Director of Expert Services, Assistant Laboratory Director, and Director of Toxicological Services. In addition, she is a member of several professional organizations including the American Academy of Forensic Sciences (Toxicology Section), the Society of Forensic Toxicologists (SOFT), and the National Association of Medical Examiners (NAME). Dr. Labay is a Fellow at the Center for Forensic Science Research and Education, serves as the Course Director for the Postmortem Interpretive Toxicology Course, and helps to instruct and mentor graduate students. She is also the Toxicology Co-

Chair for NAME, and an Advisory Board Member for the Professional Science Master's Program in Forensic Toxicology for Jefferson College of Biomedical Sciences and The Center for Forensic Science Research & Education. Dr. Labay has and maintains two board certifications; one from Board Certified by the American Board of Forensic Toxicology (ABFT) and one from the American Board of Clinical Chemistry (ABCC) in the area of Toxicological Chemistry.

Erin Spargo, Ph.D., F-ABFT

Director of Toxicological Services, Assistant Laboratory Director for NMS Labs Drug Chemistry and Core Lab

Dr. Spargo is responsible for oversight of the toxicology department, case report release and certification, and training and development of the toxicologists; she also has quality oversight responsibilities for drug chemistry and the core lab. Dr. Spargo previously served as Chief of Forensic Chemistry at the Southwestern Institute of Forensic Sciences (SWIFS) where she oversaw the Toxicology (postmortem, DWI/DUID, and DFC), Breath Alcohol, and Controlled Substances sections of the Institute. She also held an appointed assistant professor position at the University of Texas Southwestern Medical School. Dr. Spargo is active in several professional organizations and currently serves on the Board of Directors of the Society of Forensic Toxicologists (SOFT) as President. She is a recipient of the Educational Research Award from SOFT and the June K. Jones and Irving Sunshine awards from the Toxicology Section of the American Academy of Forensic Sciences (AAFS). She is a Fellow of the American Board of Forensic Toxicology and a certified technical assessor for ANAB in the disciplines of toxicology and controlled substances. She holds a Certificate of Qualifications from the New York State Department of Health and is licensed as a seized drug analyst and toxicologist (interpretive) by the Texas Forensic Science Commission. Dr. Spargo received her PhD from the University of Maryland at Baltimore, completing her graduate research work at the National Institute on Drug Abuse (NIDA).

Ayako Chan-Hosokawa, MS, D-ABFT-FT

Toxicology Manager, Forensic Toxicologist

Ayako (Aya) Chan-Hosokawa is a forensic toxicologist and toxicology team manager with NMS Labs in Horsham, PA. She earned her Bachelor of Science in Chemistry from Stockton University in 2004 and her Master of Science in Chemistry from the University of Minnesota in 2006. Ms. Chan-Hosokawa is also certified as a Diplomat through the American Board of Forensic Toxicology (ABFT) and holds a Texas Forensic Analyst License in the category of Toxicology (Interpretive). She is an active member of the Society of Forensic Toxicologists (SOFT), the American Academy of Forensic Sciences (AAFS), the International Association of Forensic Toxicologists (TIAFT), International Council on Alcohol, Drugs and Traffic Safety (ICADT) and National Safety Council (NSC) (Administrative Chair).

Professionally, Ms. Chan-Hosokawa's primary area of interest is drug-impaired driving (DUID); she evaluates positivity data, the changes in drug trends and observed blood drug concentrations and has presented the findings at national conferences. Her emphasis is to help maintain NMS Labs' leadership role in human performance toxicology testing by developing appropriate scopes of analyses at the sensitivities required for DUID investigations and working closely with DREs on their observations and inputs. She has testified over 140 times in various jurisdictions (for both prosecution and defense) and routinely provides written expert opinion reports. She also serves as a faculty member for the Pennsylvania District Attorneys Institute (PDAl) for their annual training of prosecutors and investigators and the Borkenstein course on the Effects of Drugs on Human Performance and Behavior.

Brittany Casey, PhD, F-ABFT

Toxicology Manager, Forensic Toxicologist

Dr. Brittany Casey joined NMS labs in 2023; prior to that she was the Chief of Forensic Chemistry for the Dallas County Southwestern Institute of Forensic Sciences and oversaw the Toxicology (postmortem, DWI/DUID, and DFC), Breath Alcohol, and Controlled Substances sections of the Institute. An integral part of her work there was directing the design, validation, and implementation of new methodology in the Toxicology and Controlled Substances sections. She also held an appointed assistant professor position at the University of Texas Southwestern Medical School. Originally from North Texas, she completed her

undergraduate studies in biochemistry at Baylor University in Waco, Texas, and participated in undergraduate research studying tissue bonding and meniscal repair using substituted naphthalimides. She earned her doctoral degree in chemistry from Tulane University in New Orleans, Louisiana, where her research focused on the synthesis and characterization of dendritic mass spectral calibrants and transdermal drug carriers. Brittany is a fellow of the American Board of Forensic Toxicology and is active in professional organizations such as the Society of Forensic Toxicologists (SOFT) and the American Society for Mass Spectrometry (ASMS). She also holds a Texas Forensic Analyst License in the category of Toxicology (Interpretive).

Dan Anderson, MS, D-ABFT-FT, ABC-GKE

Forensic Toxicologist

Dan Anderson joined NMS Labs in 2021, bringing with him more than 30 years of experience in postmortem and human performance toxicology. Prior to joining NMS Labs, Dan served as the Toxicology program manager at the Colorado Bureau of Investigation (CBI) for 6 years developing and managing 3 laboratories within a single state system primarily focused on DUI/DID analysis. Previous to CBI, Dan was a toxicologist/manager at the Los Angeles County Department of Medical Examiner - Coroner in Los Angeles, CA for 24 years immersed in postmortem toxicology and one year at the Ventura County Sheriff's Department Toxicology laboratory. He received a Bachelor of Science Degree from Colorado State University in Fort Collins, CO in 1988 and a MS in Forensic Science-Criminalistics from the University of New Haven in West Haven, CT in 1990. Dan is certified by the American Board of Criminalistics-General Knowledge Exam (ABC-GKE 1998) and is a Diplomat -Forensic Toxicologist of the American Board of Forensic Toxicology (ABFT 2007).

Dan has given many presentations, posters, and published articles in forensic toxicology whose topics include Bupropion, Fentanyl (Duragesic® Patch), Flecainide, GHB, Oxycontin®, Mirtazapine, Paroxetine, Quetiapine, Duloxetine, and Zaleplon. He was recognized for his achievements with the 2011 recipient of the American Academy of Forensic Sciences Toxicology Section Ray Abernethy Award for being an outstanding Forensic Toxicology Practitioner. Dan is also very active in professional organizations, including currently serving on the Board of Directors of the American Academy of Forensic Sciences (AAFS) and as the 2023 Vice President of ABFT. Previously, he was the 2022 Academy Standards Board (ASB) Vice-Chair, held multiple board positions with the Society of Forensic Toxicologists (SOFT) culminating as President in 2013, and was the President of the California Association of Toxicologists (CAT) in 2005-2006. Lastly, Dan continues as a member of the NIST OSAC Toxicology sub-Committee (2014-2020, 2022-present), and is currently appointed to two Editorial Boards, Journal of Forensic Sciences and Journal of Analytical Toxicology.

Daniel S. Isenschmid, Ph.D., F-ABFT

Forensic Toxicologist

Dr. Dan Isenschmid is a forensic toxicologist at NMS Labs. He brings to the company over 40 years of experience in forensic toxicology and the many benefits of his years of leadership and casework in the field. Prior to joining the company in 2011, Dr. Isenschmid was Chief Toxicologist at the Wayne County Medical Examiner's Office in Detroit. He received his M.S. and Ph.D. degrees in pathology and forensic toxicology, respectively, from the University of Maryland at Baltimore, School of Medicine, and was the recipient of several Educational Research Awards from the Society of Forensic Toxicologists (SOFT). He was also the recipient of both the Irving Sunshine Award and Alexander O. Gettler Award from the American Academy of Forensic Sciences (AAFS). Dr. Isenschmid is a Fellow and past Vice President of the American Board of Forensic Toxicology. He is active in professional organizations including SOFT (Past President), AAFS (Fellow and past member of the Board of Directors), and The International Association of Forensic Toxicologists (TIAFT) (Past Secretary and Treasurer).

Dr. Isenschmid has published and presented on many topics related to postmortem forensic drug testing including medical examiner case reports, the interpretation of postmortem cocaine concentrations, the stability and analysis of cocaine and its metabolites, and the effects of cocaine on human performance. He has lectured extensively to toxicologists, graduate and undergraduate students, pathologists, law

enforcement personnel and is a faculty member of the Borkenstein course on the Effects of Drugs on Human Performance and Behavior.

Sherri Kacinko, Ph.D., F-ABFT

Forensic Toxicologist

Sherri Kacinko earned her Bachelor of Science Degree in Chemistry at the University of Pittsburgh in Johnstown, PA and took graduate classes in forensic science at George Washington University. She performed pharmaceutical quality control at Lancaster Laboratories in Lancaster, PA. After spending 3 years working as a crime laboratory analyst in the chemistry section of the Florida Department of Law Enforcement Orlando Regional Operations Center, she returned to graduate school and received her Doctor of Philosophy in Toxicology at the University of Maryland-Baltimore. She is now a toxicologist at NMS Labs in Horsham, PA.

Dr. Kacinko is also adjunct faculty in the chemistry and forensic science departments at Arcadia University, the Masters of Forensic Toxicology program at Jefferson University and serves as an Instructor at the Center for Forensic Science Research & Education. In this role, Sherri lectures in postmortem forensic toxicology and human performance toxicology courses. Her current research interests include the identification and quantification of novel psychoactive substances including synthetic cannabinoids, stimulants, hallucinogens, opioids and benzodiazepines in biological fluids and their toxicological impact.

Dr. Kacinko is Board Certified by the American Board of Forensic Toxicology (ABFT) and is a member of the Society of Forensic Toxicologists, the International Association of Forensic Toxicologists and the American Academy of Forensic Sciences. Dr. Kacinko was presented with the American Academy of Forensic Sciences Toxicology Section Irving Sunshine Award in recognition of early career research.

Kari Midthun, Ph.D., F-ABFT

Forensic Toxicologist

Dr. Kari Midthun joined NMS Labs in 2020, bringing with her experience in toxicology, forensic science, chemistry, biochemistry, nanotechnology and education. Prior to joining NMS Labs, Dr. Midthun served as the Assistant Laboratory Director at United States Drug Testing Laboratories, and previously worked as a forensic scientist at the New York State Police Forensic Investigation Center and intern with the FBI Laboratory. Dr. Midthun is active in several professional organizations, including the Society of Forensic Toxicologists (SOFT), the National Association of Medical Examiners (NAME), and the American Academy of Forensic Sciences (AAFS). She is the author of peer reviewed papers and is currently researching various aspects of umbilical cord tissue testing and postmortem pediatric trends. Dr. Midthun received dual Bachelor of Science degrees in Chemistry and Biochemistry from the University of Wisconsin-Madison, before earning a Master of Science and Doctor of Philosophy in Chemistry and Chemical Biology from Cornell University. She is a Fellow of the American Board of Forensic Toxicology and holds a Certificate of Qualifications from the New York State Department of Health.

Donna Papsun, MS, D-ABFT-FT

Forensic Toxicologist & Business Scientist

Donna Papsun is a forensic toxicologist at NMS Labs in Horsham, PA. She earned dual Bachelor of Science degrees in Chemistry and Forensic & Investigative Science from West Virginia University and a Master of Science degree in Pharmacology from Thomas Jefferson University. She is certified as a Diplomate in Forensic Toxicology through the American Board of Forensic Toxicology (ABFT) and is a member of both the Society of Forensic Toxicologists (SOFT) and the American Academy of Forensic Sciences (AAFS).

Ms. Papsun has been with NMS Labs since 2008, first as a bench analyst before promotion to toxicologist in 2012. Primary responsibilities include reviewing toxicology case work and interpretation of those results in medicolegal investigations. Ms. Papsun's main area of interest is the identification of novel psychoactive substances (NPS) in biological specimens. As one of the two leaders of NMS's NPS strategy team, she continuously works to help maintain NMS's leadership in identifying the newest trends

in the changing landscape of the designer drug market and implementing tests for their detection in forensic toxicology casework. Ms. Papsun also serves in a secondary role as a business scientist, working to align the technical and scientific expertise of NMS Labs with commercial efforts.

Brianna Peterson, PhD, F-ABFT

Forensic Toxicologist

Brianna Peterson is a forensic toxicologist with NMS Labs. She earned her Bachelor of Science in Chemistry from the University of Wisconsin-La Crosse, her Master of Science in Forensic Science from the University of Illinois at Chicago, and her Doctorate in Toxicology from the University of Georgia. Dr. Peterson is also certified as a Fellow through the American Board of Forensic Toxicology (ABFT) and is a member of the Society of Forensic Toxicologists (SOFT) and the American Academy of Forensic Sciences (AAFS).

Prior to joining NMS Labs, Brianna worked for the Washington State Patrol (WSP) as the laboratory manager overseeing toxicology testing on postmortem and DUI cases. Previous to WSP, Brianna worked for two years as a forensic toxicologist for the Georgia Bureau of Investigation.

Scott Larson, MS, D-ABFT-FT

Forensic Toxicologist

Scott Larson is a forensic toxicologist with NMS Labs based in Montana. He earned a Bachelor of Science in Microbiology and a Master of Science in Pharmacology from the University of Montana. Prior to joining NMS, he spent 9 years at the Montana Forensic Science Division in various roles as a toxicologist, toxicology section supervisor and lab director. He has also worked for the Armed Forces Medical Examiner System, Washington D.C. Office of the Chief Medical Examiner, and the national New Zealand toxicology laboratory (ESR).

Scott is certified by the American Board of Forensic Toxicology as a Diplomat -Forensic Toxicologist and is a member of the Society of Forensic Toxicologists (SOFT). He has provided presentations or lectures to various government agencies, universities, and at professional meetings. In addition, he has published articles in peer-reviewed journals. Scott has been a member of the NIST OSAC Toxicology sub-committee since 2020.

Jolene Bierly, MSFS, D-ABFT-FT

Forensic Toxicologist

Jolene Bierly is a Forensic Toxicologist with NMS Labs based in Pennsylvania. Her employment history includes working for the New York State Police Crime Laboratory System (2013-2017) before joining NMS Labs in 2017. She earned a Master of Science in Forensic Science degree from Arcadia University and a Bachelor of Science in Biology from Messiah College.

Ms. Bierly is certified as a diplomat in Forensic Toxicology through the American Board of Forensic Toxicology (ABFT) and is an active member in the Society of Forensic Toxicologists (SOFT), the American Academy of Forensic Sciences (AAFS), and the Northeastern Association of Forensic Scientists (NEAFS). She has authored peer reviewed papers on postmortem toxicology and drug-impaired driving (DUID).

Justin Brower, PhD, F-ABFT

Forensic Toxicologist

Dr. Brower is a forensic toxicologist and joined NMS Labs in 2022. He earned a Bachelor of Arts in Chemistry at Adams State University and a Doctorate in Organic Chemistry at the University of Nevada. He followed his graduate work with a postdoctoral fellowship from the Cancer Research Institute at the University of California, Irvine, where he researched peptides and protein-protein interactions. He then joined a start-up biotechnology company in Charleston, SC, and served as the Director of Chemistry, conducting drug discovery and development of targeting central nervous system disorders and pain. Dr. Brower started his toxicology career at the North Carolina Office of the Chief Medical Examiner in Raleigh, NC, where he was the laboratory supervisor and a forensic toxicologist.

From his drug discovery career, Dr. Brower holds multiple U.S. and international patents and published on the synthesis and studies of novel therapeutics. In the field of toxicology, he has published widely on the opioid mitragynine (Kratom) and regularly gives talks and presentations at scientific meetings and conferences. His interests include chemistry and toxicology education, scientific communication, postmortem toxicology, and natural toxins and poisons.

Michael E. Lamb, MSFS, D-ABFT-FT

Forensic Toxicologist

Michael Lamb is a forensic toxicologist at NMS Labs in Horsham, PA. He earned his Bachelor of Science in Neuroscience from Binghamton University in 2010 and his Master of Science in Forensic Science from Arcadia University in 2012. Mr. Lamb has been working at NMS Labs since 2012 where he started as an analyst in the lab responsible for the testing of thousands of samples a year for the presence of drugs, alcohol, poisons and other intoxicants.

Mr. Lamb is board certified as a Diplomate in Forensic Toxicology through the American Board of Forensic Toxicology (ABFT). He is an active member of both the Society of Forensic Toxicologists (SOFT) and the American Academy of Forensic Sciences (AAFS). Mr. Lamb has presented at various conferences related to postmortem forensic toxicological testing.

Estuardo (Estee) Miranda, MS

Forensic Toxicologist

Estuardo Miranda is a forensic toxicologist and joined NMS labs in 2023. He earned his Bachelor of Science in Chemistry with a minor in Zoology and Master of Science in Zoology from Arizona State University. Prior to joining NMS Estuardo worked at the Arizona Department of Public Safety (2009-2023) as a Forensic Scientists in toxicology where he reestablished the toxicology unit in the Tucson laboratory. Later he oversaw the Toxicology, Blood Alcohol, Controlled Substances and Latent Print units as a supervisor in the AZ DPS crime laboratory. Prior to that he worked at the Washington State Patrol (2001-2009) as Supervising Forensic Scientist overseeing toxicology testing on postmortem and DUI cases and rendering court room testimony as an expert witness. Before WSP Estuardo worked for the Arizona Department of Public Safety Crime Laboratory in Phoenix (1998-2001) in DUID forensic toxicology. Estuardo brings 25 years of forensic toxicology knowledge with extensive experience in drug impaired (DUID) expert testimony.

Stephanie Marco, Ph.D., F-ABFT

Forensic Toxicologist

Stephanie Marco is a toxicologist at NMS Labs in Horsham, PA. She received her Bachelor of Science degrees in Chemistry and Forensic Science from the University of New Haven (2012) before completing her Doctor of Philosophy in Toxicology at Rutgers University (2019).

Dr. Marco is a member of the Society of Forensic Toxicologists (SOFT) and the Academy of Forensic Sciences (AAFS) and has presented at several conferences. She also received specialized training in postmortem interpretive toxicology and medico-legal alcohol topics through The Center for Forensic Sciences Research and Education and The Robert F. Borkenstein Course on Alcohol & Highway Safety, respectively.

William M. Schroeder II, MS, D-ABFT-FT

Forensic Toxicologist

William Schroeder earned his Bachelor of Science in Biochemistry with a Minor in Forensic Science from the University of the Sciences in Philadelphia in 2009 and his Master of Science in Biochemistry from Drexel University in 2014. Mr. Schroeder is certified by the American Board of Forensic Toxicology (ABFT) as well as an active member of both the American Academy of Forensic Sciences (AAFS) and the Society of Forensic Toxicologists (SOFT).

Mr. Schroeder has been with NMS Labs since 2012, when he was hired to perform analytical testing on samples for the presence of alcohol, drugs, and other intoxicants. He joined the toxicology department in January 2018 and his current responsibilities include toxicological case review as well as providing expert testimony for these cases.

Jennifer L. Swatek, MSFS, D-ABFT-FT
Forensic Toxicologist

Jennifer Swatek is a forensic toxicologist at NMS Labs based in the Greater Metro Detroit area of Michigan. She earned her Bachelor of Science in Forensic Biochemistry from Northern Michigan University (2011) and her Master of Science in Forensic Science from Arcadia University (2013). Ms. Swatek has been working at NMS Labs since 2012 where she started as an analyst in the lab responsible for the testing of thousands of samples a year for the presence of drugs and other intoxicants before promoting to the toxicology department in 2019.

Jennifer is board certified as a Diplomate in Forensic Toxicology through the American Board of Forensic Toxicology (ABFT). She is an active member of the Society of Forensic Toxicologists (SOFT), the American Academy of Forensic Sciences (AAFS), and the National Association of Medical Examiners (NAME). Ms. Swatek has presented at various conferences related to postmortem forensic toxicology and is currently researching drug and vitreous electrolyte trends in the pediatric postmortem population.

Chelsey Deisher, MS, D-ABFT-FT
Forensic Toxicologist

Chelsey Deisher is a toxicologist with NMS Labs in Horsham, PA. She obtained both her B.A. in Biochemistry and her Master's degree in Forensic Science and Law from Duquesne University. She is certified as a Diplomate in Forensic Toxicology through the American Board of Forensic Toxicology (ABFT) and holds a Texas Forensic Analyst License in the category of Toxicology (Interpretative) through the Texas Forensic Science Commission. She is also an active member of the Society of Forensic Toxicologists (SOFT).

Ms. Deisher has been with NMS Labs since 2014, where she started as an analyst in the laboratory before promotion to toxicologist in 2021. Her primary responsibilities include reviewing toxicological case work in medicolegal death investigations and offering expert testimony. Currently, her main area of interest surrounds the identification of novel psychoactive substances (NPS) in biological specimens.

Amanda D'Orazio, MSFS, D-ABFT-FT
Forensic Toxicologist

Amanda D'Orazio, M.S., D-ABFT-FT is a Forensic Toxicologist at NMS Labs in Horsham, PA. She earned her Bachelor of Science in Chemistry from Arcadia University in 2015 and her Master of Science in Forensic Science from Arcadia University in 2017. She is certified as a Diplomate through the American Board of Forensic Toxicology (ABFT). She is a member of the National Safety Council's Alcohol, Drugs, and Impairment Division through which she collaborates with other toxicologists in the field to regularly update the *Recommendations for Toxicological Investigation of Drug-Impaired Driving and Motor Vehicle Fatalities*, research centered around drug testing in DUID/traffic fatality investigations. She is a member of the Society of Forensic Toxicologists (SOFT) and the American Academy of Forensic Sciences (AAFS) and has presented her research at various conferences. She currently serves on the SOFT/AAFS Oral Fluid Committee.

Emily Fenton, MSFS, MBA
Forensic Toxicologist

Emily Fenton is a toxicologist at NMS Labs in Horsham, PA. She earned her Bachelor of Arts in Chemistry and Biochemistry and Master of Business Administration from La Salle University in 2015 and 2016, respectively. Ms. Fenton also earned her Master of Science in Forensic Science from Arcadia University in 2021. Her graduate work focused on *The Stability of Drug Analytes in Umbilical Cord Tissue*. She has

been working at NMS Labs since 2017 where she started in Specimen Processing and continued her career testing metals, alcohol and routine analyte cases; she promoted to a toxicologist in 2023.

Kristopher W Graf, MS, D-ABFT-FT
Forensic Toxicologist

Kristopher Graf is a toxicologist at NMS Labs in Horsham, PA. He earned his Bachelor of Science in Forensic and Toxicological Chemistry from West Chester University of Pennsylvania in 2006 and his Master of Science in Forensic Toxicology from Thomas Jefferson University in 2017. Mr. Graf has been working at NMS Labs since 2007 where he started as an analyst in the lab responsible for the testing of thousands of samples a year for the presence of drugs, alcohol, poisons and other intoxicants; he promoted to a toxicologist in 2019. Mr. Graf is board certified as a Diplomate in Forensic Toxicology through the American Board of Forensic Toxicology (ABFT). Mr. Graf has presented at various conferences related to postmortem forensic toxicological testing.

Meaghan R. Hessler, MSFS, D-ABFT-FT
Forensic Toxicologist

Meaghan R. Hessler is a toxicologist at NMS Labs in Horsham, PA. She earned her Bachelor of Science in Chemistry with a Mathematics minor from Arcadia University in 2016 and her Master of Science in Forensic Science from Arcadia University in 2018. Ms. Hessler has been working at NMS Labs since 2018 where she started as an analyst in the lab responsible for the testing of thousands of samples a year for the presence of drugs and other intoxicants; she joined the toxicology department in 2021. Meaghan is board certified as a Diplomate in Forensic Toxicology through the American Board of Forensic Toxicology (ABFT). She is an active member of the Society of Forensic Toxicologists (SOFT) and an associate member of the American Academy of Forensic Sciences (AAFS). Ms. Hessler has both attended and presented at various conferences related to forensic toxicology.

Victoria Hill, MSFT
Forensic Toxicologist

Victoria Hill is a toxicologist at NMS Labs in Horsham, PA. She earned her Bachelor of Science in Forensic Science with a concentration in Chemistry from The Pennsylvania State University in 2017 and her Master of Science in Forensic Toxicology from Thomas Jefferson University in 2022. Victoria has been working at NMS Labs since 2017 where she started as a laboratory intern responsible for the testing of thousands of samples a year for the presence of drugs and other intoxicants. Prior to joining the Toxicology department in 2024, she was a member of the Operations Technical Improvement department and specified in laboratory staff training for sample preparation, data calculation, and secondary review in various analytical departments.

Nicholas Laraia, MSFS
Forensic Toxicologist

Nicholas Laraia is a toxicologist at NMS Labs in Horsham, PA. He earned his Bachelor of Science in Forensic Chemistry with a minor in Criminal Justice from the University of Scranton in 2016 and his Master of Science in Forensic Science from Cedar Crest College in 2019. Prior to NMS, Nicholas has presented research projects from both undergraduate and graduate education at multiple conferences. He is also currently in the application process for becoming a member of the American Board of Forensic Toxicology (ABFT) and the Society of Forensic Toxicologists (SOFT). He has been working at NMS Labs since 2018 where he started in the Routine 1 department and continued his career in the Waters LCMS department. Nicholas joined the toxicology department in 2024.

3.2.4 The vendor shall employ at least one board certified toxicologist with active memberships in relevant professional organizations maintain accreditation for the laboratory. This provision is to make sure board certified personnel are available to address client inquiries, provide back up to clients, ease of availability for consultation, scheduling of expert services support as needed and give a broader pool of technical experience to support all customers.

NMS Labs currently employs more than 300 highly trained professionals at our Headquarters and Laboratory at 200 Welsh Road, Horsham, PA 19044. Led by our staff of twelve doctoral level, F-ABFT (Fellow - American Board of Forensic Toxicology) board certified toxicologists, NMS Labs has a staff dedicated to our forensic business including: specially trained forensic specimen processors, forensic client support staff, criminalists and scientists, forensic sales and marketing representatives and expert services department. This dedicated forensic staffing allows NMS Labs to give individual attention to each of our forensic clients when necessary.

3.2.5 Vendor shall be able to provide expert witness testimony with experience in forensic toxicology cases and have historical proof of operational capacity to handle a minimum of 5,000 postmortem toxicology cases per month, or 12,500 forensic samples per month, proof of operational capacity to handle a minimum of 2,500 drug identification exhibits per month or 30,000 exhibits per year. This may reflect multiple laboratories within the accredited system.

NMS is a recognized leader in assisting legal professionals to provide expert support for their cases involving toxicology and criminalistics. Our Expert Services Department will manage the delivery of testimony, conferences, litigation package requests, depositions, and other services to assist with the specific needs of this contract.

NMS Labs forensic services extend beyond our main facilities in Horsham, PA. NMS Labs currently operates multiple secured forensic laboratories within the states of Texas, North Carolina, Pennsylvania and Florida. ANAB ISO 17025 accredits all of these facilities. The table below shows the ISO 17025 accredited disciplines held at each facility. NMS Labs combined resources offer a unique network of accredited laboratories which provide increased capacity, economies of efficiency and the operational flexibility to assist clients.

ISO 17025 Accredited Disciplines by Facility

Facility	ISO 17025 Accredited Disciplines
Headquarters, Horsham, PA	Toxicology
Crime Lab, Willow Grove, PA	Seized Drugs
Bucks County, PA	Seized Drugs
El Paso, TX	Seized Drugs
Dallas-Fort Worth, TX	Seized Drugs and Toxicology
Winston-Salem, NC	Seized Drugs and Toxicology
Jacksonville, FL	Toxicology

In 2023, NMS Labs completed 172,130 cases for postmortem toxicology testing, for an average of 14,344 cases per month. Our Forensic Drug Chemistry unit completed 47,357 exhibits, for an average of 3,946 exhibits per month for Seized Drugs analysis and/or hemp vs. marijuana differentiation.

We have carefully reviewed the Conditions, Provisions and Specifications put forth in this CRFQ. Our laboratory operations department has ample and excess capacity available to accept the sample volumes outlined above as well as any additional case volume that may be needed for your office.

3.2.6 Vendor must provide a complete list of compounds included in routine toxicology panels-used to compare the scope of testing offered by prospective vendors.

See Section 5 for Postmortem Toxicology Scope of Testing.

3.2.7 Vendor must have a documentable record of ability to handle routine and nonroutine specimens. Fluids-blood, serum, plasma, urine, vitreous, gastric, bile, hair. Solids-tissues, all solid organs, bone, injection sites, hair, nails, teeth, decomposed tissue, embalmed bodies. Biological stains on materials (clothing, paper, sheets, carpeting, etc.) for presence of compounds of toxicological interest.

NMS Labs has demonstrated experience handling the analysis of routine (blood, serum/plasma, urine vitreous, gastric fluids, bile, hair) and alternative samples sometimes necessary in death investigations such as decomposed tissue, stomach contents, bone, hair, insect larvae, all solid organs, injection sites, nails, teeth, specimens collected from exhumed or embalmed bodies and many other sample types.

3.2.8 Vendor must provide Result Reporting – require submission of an example of reports with bid response. Complete Internal Chain of Custody - confirmed by laboratory site inspection if desired by bidder.

NMS Labs will provide a court ready report that will include: name and address of our laboratory, laboratory case number, Submitting Agency's case number (if available), submission date, the date the report was printed, the name of the subject, listing of submitted samples, results of Toxicology Evidence analysis including drugs identified and their concentration (if applicable), disposition of Toxicology Evidence Laboratory, and name with signature (or electronic equivalent) of personnel needed to satisfy court subpoenas. All NMS Labs Reporting Guidelines are managed to follow rules set forth by our accrediting bodies. Please see sample report provided in Section 5.

3.2.9 Vendor must provide Standard Operating Procedures - the laboratory should have documented SOP's available to support specimen handling, analytical procedures, Quality Control procedures and maintenance records of analytical instrumentation.

NMS Labs has documented SOPs available to support specimen handling, analytical procedures, Quality Control procedures, maintenance of records of analytical instrumentation, and more. In total, NMS Labs has over 300 SOPs (see complete list in Section 5). These are available for review upon request.

3.2.10 Vendor must provide Specimen Storage-the laboratory must secure and maintain the specimen for a period of one (1) year in such a manner to prevent contamination and degradation. The laboratory must be willing to work with third parties (attorneys, etc.) to extend the storage period at the third party's expense with required and approved written authorization.

NMS Labs will store samples submitted for twelve (12) months following reporting of all results. Samples will be stored in a refrigerated environment upon receipt and during short-term storage. Samples are stored frozen for long-term storage to ensure sample integrity. All samples are retained in a secured storage area with limited access. NMS Labs is a secured facility that requires all visitors to be escorted and sign a confidentiality/visitor's agreement. Security surveillance is in place 7 days per week/24 hours at our laboratory to ensure security of samples.

NMS Labs will work with third parties (attorneys, etc.) to extend the storage period at the third party's expense with required and approved written authorization.

3.2.11 Vendor must provide a vast number of testing (See Testing Description attachment).

The scope of toxicology testing capabilities at NMS Labs is the broadest available in the United States from a private laboratory. In addition to the testing offered in Exhibit A Pricing Page, NMS Labs has the resources to perform analysis for over 2,700 illicit and therapeutic drugs, synthetic designer drug compounds, heavy metals and elements, solvents, poisons and other toxic compounds including hair and heavy metal analysis in biological samples. NMS Labs also supports death investigations with seized drug identification and general unknown testing of non-biological evidence analysis. NMS Labs website (www.nmslabs.com) provides a real-time, on-line Test Catalog of available services that is updated as new testing is introduced.

3.2.12 Vendor must provide confidentiality to protect the clients.

Understood and agreed. NMS Labs has a Standard Operating Procedure in place to address HIPAA compliance (SOP 10910 HIPAA Compliance Plan–Privacy Standards). NMS Labs agrees to comply with all requirements of the Federal Health Insurance Portability and Accountability Act of 1996 (“HIPAA”) as may be amended from time to time, and the corresponding HIPAA regulations for the confidentiality and security of medical information.

NMS Labs shall:

- Not use or disclose protected health information other than as permitted or required by law.
- Use appropriate safeguards to protect the confidentiality of the information.
- Report any use or disclosure not permitted.

4. CONTRACT AWARD, PERCENTAGE DISCOUNT, CATALOG

4.1 Contract Award: This Contract is intended to provide the Agency with a discounted price on all Eligible Items. The Contract shall be awarded to the Vendor that meets the Solicitation specifications and provides the lowest Total Bid Cost for the Eligible Items listed on the Pricing Pages. Notwithstanding the foregoing, the Purchasing Division reserves the right to award this Contract to multiple Vendors if it deems such action necessary.

Understood and agreed.

4.2 Discount Percentage: Vendor shall quote a single Discount Percentage that will reduce the lowest price shown in the Catalog for every Eligible Item. The resulting Discounted Price shall be the price Agencies pay for purchases of that Eligible Item under this Contract.

Vendor shall not incorporate Discount Percentages into its Catalog unless the Vendor clearly shows the Catalog Price and then separately lists the applicable Discount Percentage and the Discounted Price for each Eligible Item.

The Discount Percentage and subsequent Discounted Price derived from that discount must take into account any and all fees, charges, or other miscellaneous costs that Vendor may require, including delivery charges as indicated below, because those fees, charges, or other miscellaneous costs will not be paid separately. The Agency shall only pay the appropriate Discounted Unit Price for items purchased under this Contract.

Understood. Please see Exhibit A Pricing Page CRFQ-0506-CME2500000002 NMS Labs attachment in wvOASIS.

4.3 Service and Supplies Requirements: The successful vendor MUST agree to provide, at no charge, a reasonable number of supplies for the collection and submission of specimens; to include specimen collection kits. Agree to provide Federal Express shipping supplies (pre-printed, pre-paid air bills and shipping packs) to facilitate Standard overnight delivery of specimens to the laboratory. Agree to perform only those tests ordered. Agree to provide laboratory results in an expected turnaround time of 14-18 business days after receiving samples for analysis of routine postmortem toxicology panels. Agree to provide services without regard to race, color, age, sex, national origin, religion, citizenship, disability, sexual orientation, or veteran status. Client support, expert services and toxicology available daily to answer client questions via phone and/or email and support testimony needs and supply a 24/7 Hotline for Public Health and Safety emergencies where toxicology testing and or consultation may be required.

Please refer to section 3.1.1.4 for specific details on provided supplies.

NMS Labs agrees to perform only tests ordered by WV OCME and current production schedules support the required turnaround time of 14-18 business days after receiving samples for analysis of our routine postmortem toxicology panels. NMS Labs is operational 24 hours a day, 7 days a week to provide optimum turnaround time and efficiencies for our clients. NMS Labs will make every effort to expedite emergency orders.

NMS Labs agrees to provide services without regard to race, color, age, sex, national origin, religion, citizenship, disability, sexual orientation, or veteran status.

NMS Labs utilizes specially trained Forensic Client Support staff to work with our forensic clients. NMS Labs has client support available by phone at (866) 522-2216 Monday through Friday 8:00 am - 8:30 pm Eastern Time. NMS Labs also has client support communication available via e-mail at forensics@nmslabs.com. This e-mail is checked a minimum of every 30 minutes for activity during client support working hours. Many of our forensic clients find this service valuable, as it offers a timed and documented proof of communication. Our

Forensic Client Support staff can handle routine inquiries such as result status, test ordering, expected turnaround time, adding testing to existing cases, appropriate sample requirements, handling and packaging. The Forensic Client Support staff is also able to handle general explanation of NMS Labs' scope of services. If the incoming question from our client is outside of the area of responsibility of the Forensic Client Support staff, they will contact the appropriate NMS Labs staff member for immediate follow up.

NMS Labs provides a unique program called DirecTox™. This program gives direct phone and email access to your assigned board-certified forensic toxicologist for questions concerning: Public health and safety emergencies, case history evaluation, sample collection guidance, test recommendations, test result review, and interpretation of findings. The program also provides access for phone consultations, video collaboration and webinars on matters including continuing education and collaboration on publications.

4.4 Reports and Records Requirements: The successful vendor will agree to provide active integrations with some LIMS systems for report delivery to forensic clients. The report shall include the results of the test, normal reference ranges for the test, and any comments deemed necessary. The secure web portal should also provide the ability for remote order entry. Such portal must meet HIPAA compliance requirements. Agree to maintain records in such form and for such duration as may be required by federal, state, and local statutes and regulations. Agree to maintain the confidentiality of information contained in the report, as to abide by and comply with all provisions of HIPAA.

NMS Labs operates on a LIMS system and our professional laboratory staff observes and abides by HIPAA compliance standards to ensure controlled access to client data/prevent unauthorized access. NMS Labs keeps all client data safe and securely protected within our systems and have several SOPs in place to ensure this. (SOPs are available for review upon request.)

NMS Labs offers delivery of results through our Client Portal. Through this portal, multiple users from the same organization can sign in with their own login ID and password to access laboratory reports. Completed laboratory reports are posted as soon as testing is completed in Adobe PDF format. Reports are actively archived for two (2) years on the portal and can be sorted by name, ID number, date of service, date of birth, sex or accession number for retrieval. Secure Socket Layer (SSL) encryption is activated when results are displayed.

Reports will include Case number, Name of decedent, description of samples submitted on case, quantitative results, interpretive comments on toxic ranges of compounds, methods of testing, complete sample identification, name of board-certified F(ABFT) Laboratory Director, description of testing performed, results of toxicological significance. Reports will contain a list of all positively identified substances, with quantitative results as indicated. The report will indicate also include concentrations of biologically active metabolites produced by the parent drug of identified controlled substances. See sample report in Section 5.

4.5 Pricing Pages: Vendor should complete the Pricing Pages (Exhibit A) by filling in any blank spaces with the information requested. The information requested on the Pricing Pages for each frequently purchased Eligible Item includes the Vendor's Eligible Item manufacturer, the manufacturer's number for each Eligible Item, Catalog Prices, Units Provided for Catalog Price, Unit Prices, Discount Percentage, Discounted Unit Prices, and item total costs. The Vendor should also include the Total Bid Cost. Vendor should complete all columns as failure to complete the Pricing Pages in their entirety may result in Vendor's bid being disqualified.

Understood. Please see [Exhibit A Pricing Page CRFQ-0506-CME2500000002 NMS Labs](#) attachment in wvOASIS.

5. CATALOG

5.1 Submission. Vendor must submit its Catalog prior to award of this Contract for evaluation purposes. Vendor shall also mail the Catalog free of charge to any Agency desiring to use this Contract if the Catalog is not electronically entered into wvOASIS. Vendor may be required to input its Catalog data into wvOASIS utilizing the format required by wvOASIS. Copies of the Catalog may also be requested in an electronic format. Vendor's Catalog, or data from the Catalog entered into wvOASIS will be used by Agencies to order Eligible Items under this Contract.

Vendor should identify all items listed on the Pricing Pages by circling or highlighting those items in its Catalog and earmarking, tabbing, or listing the pages for those items, to assist in the evaluation and verification of the bids and pricing. If any discrepancies exist between the Pricing Pages and the actual price listed in the Catalog, the actual price shall prevail and the Pricing Pages may be corrected by the Purchasing Division buyer for evaluation purposes.

Please see NMS Labs 2024 Fee Schedule attachment in wvOASIS. Items listed on the Pricing Page are highlighted and can be found on the following pages:

2024 Fee Schedule Page #	West Virginia Pricing Page Item
2	0170FL Alcohol Panel, Fluid
25	2481FL Ketone Panel, Fluid
38	8052B Postmortem, Expanded, Blood (Forensic)
38	8052TI Postmortem, Expanded, Tissue (Forensic)
17 and 59	1919FL Electrolytes and Glucose Panel (Vitreous), Fluid (Forensic)
33 and 56	8756B Novel Psychoactive Substances (NPS) Screen 1, Blood
Confirmation Testing (\$0)	
Not listed in Fee Schedule	52250B Alcohols and Acetone Confirmation, Blood
Not listed in Fee Schedule	53146B Amlodipine Confirmation, Blood (Forensic)
Not listed in Fee Schedule	52483B Amphetamines Confirmation, Blood
Not listed in Fee Schedule	53589B Benzodiazepines Confirmation, Blood (Forensics)
Not listed in Fee Schedule	52198B Cannabinoids Confirmation, Blood
Not listed in Fee Schedule	50014B Cocaine and Metabolites Confirmation, Blood
Not listed in Fee Schedule	52441B Diphenhydramine Confirmation, Blood
Not listed in Fee Schedule	52486B Fentanyl and 4-ANPP Confirmation, Blood
Not listed in Fee Schedule	52144B Gabapentin Confirmation, Blood
Not listed in Fee Schedule	52442B Hydroxyzine Confirmation, Blood
Not listed in Fee Schedule	52082B Metoprolol Confirmation, Blood
Not listed in Fee Schedule	50016B Opiates - Free (Unconjugated) Confirmation, Blood
Not listed in Fee Schedule	52135B Xylazine Confirmation, Blood

NMS Labs offers the **NMS TotalTox™**, an expansive postmortem panel designed to detect a wide range of substances, including drugs of abuse, prescription medications, over-the-counter drugs, and various toxic agents. This panel is particularly effective in identifying emerging novel psychoactive substances (NPS), such as designer opioids, benzodiazepines, and hallucinogens/stimulants. One of its key advantages is the automatic confirmation of all tested NPS compounds at no additional charge, leading to faster turnaround times. The **NMS TotalTox™** panel (8054B) is available at a discount from the catalog price, with a fee of \$450.

In addition to the pricing outlined in Exhibit A, NMS Labs is pleased to offer a 5% discount on any test listed in the Fee Schedule.

5.2 Catalog Modification. The Purchasing Division may permit Vendor to update its Catalog at each renewal date. Determination of whether or not to allow a Catalog update is at the sole discretion of the Purchasing Division. Any request by Vendor to update its Catalog must include a detailed listing of the following: (1) any Eligible Items being removed, Discounted Unit Prices for those items, Agencies quantity usage of those items, and total spent by Agencies on those items; (2) any Eligible Items being added to the Catalog and the Discounted Unit Price of those items; (3) all changes in the Discounted Unit Price to Eligible Items, estimated usage relating to items that have changed in price, and the total impact of the price change on the State; and (4) justification for updating its Catalog. The Purchasing Division may waive the detailed listing requirement if it finds that doing so is in the best interest of the State. Unless an updated catalog is approved, the Eligible Items available under this Contract and prices for those items shall remain unchanged during the term of this Contract.

In the event that multiple vendors are awarded a contract under the Solicitation, the first priority vendor shall not be permitted to include in its updated Catalog items being sold by a vendor that is lower in ordering priority without the consent of that lower priority vendor.

Understood and agreed.

6. ORDERING AND PAYMENT

6.1 Ordering: Vendor shall accept orders through wvOASIS, regular mail, facsimile, email, or any other written forms of communication. Vendor may, but is not required to, accept on-line orders through a secure internet ordering portal/website. If Vendor has the ability to accept on-line orders, it should include in its response a brief description of how Agencies may utilize the on-line ordering system. Any on-line ordering system must have the capability to restrict prices and available items to conform to the Catalog originally submitted with this Solicitation. Vendor shall ensure that its on-line ordering system is properly secured prior to processing Agency orders on-line.

Vendor shall provide the Purchasing Division with access to its internet ordering portal/website, if one will be used under this Contract, to allow the Purchasing Division to ensure that the requirements of this Contract are being met.

NMS Labs offers a secure Client Portal for digital ordering of testing in lieu of paper requisition forms at no additional cost to the WV OCME's office.

Using the Client Portal, clients may opt to register under their unique account identifier for online ordering of tests. Clients are registered with NMS Labs and will receive a password that can be utilized to access their account and order tests that are most common to their account history. After online input is completed, a customized requisition form with chain of custody information is printed at the Client Site. This chain of custody form accompanies the samples in transport to NMS labs. Upon receipt of the samples, the samples and chain of custody are logged into our secured Laboratory Information system under the Client's account number. This account number is associated with the special pricing that each Client receives under agreements, assuring accurate invoicing for the testing requested.

Additionally, the NMS Client Portal can be used for monitoring test orders, order status, test results, and retrieving requested Litigation Packets. Order status is the first page displayed upon logging into the Client Portal and status options are: Pending Receipt, Received, In Progress, In Review, Reported, Canceled, or No Report. A tooltip for each Order Status is available by hovering over the individual status within the grid.

Order status grid columns can be customized (hidden/displayed, sorted, resized, rearranged) according to client preferences. Email notifications can be set for specific status options. Filtering capabilities are available on the column headers within the Order Status page and a general search option is available for a quick keyword search on the Order Status page. Clients can export a summary report based upon the period

selected on the Order Status page. A Microsoft Excel® Export (Detail) report is also available with sample and test level information.

Test result reports are available electronically in a secure PDF format. The electronic reports are posted on the Client Portal as soon as the final report is reviewed and completed. Multiple users from the same organization can be notified via e-mail when laboratory reports are available and sign in with their own unique designated user ID/password to access laboratory reports. Reports are archived for two years on the Client Portal and can be sorted by patient name, case ID number, date of service, date of birth, sex or accession number for retrieval. Secure Socket Layer (SSL) encryption is activated when results are displayed.

When ordering via the client portal, the unique account identifier is linked to a discount price code that limits prices to match the initially submitted catalog. The pricing will only change if the purchasing department approves a catalog update, and that process will adhere to the solicitation's specifications. NMS Labs will still have access to pricing in the catalog originally submitted.

6.2 Invoicing and Payment: Vendor shall indicate the discount received on each invoice submitted for payment. Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia. Methods of acceptable payment must include the West Virginia Purchasing Card. Payment in advance is not permitted under this Contract.

Understood and agreed.

7. DELIVERY AND RETURN

Understood and agreed.

8. VENDOR DEFAULT

Understood and agreed.

9. MISCELLANEOUS:

9.1 No Substitutions: Vendor shall supply only Eligible Items contained in its Catalog submitted in response to the Solicitation or an updated Catalog approved by the Purchasing Division as described above. Vendor shall not supply substitute items.

Understood and agreed. NMS Labs is a scientific reference laboratory who routinely develops new laboratory tests and services for our clients. Our printed catalog is a static representation of our product offerings at the time of printing. NMS Labs is expected to add and delete products from our service offering catalog due to the nature of our innovation and client needs over time. NMS Labs also offers special testing for investigations that may not be listed in our catalog. Prices for special requests are quoted at the time of the request and it will be the responsibility of the user of the services to receive approval for testing request and payment for testing, prior to submitting samples.

NMS Labs website (www.nmslabs.com) provides a real-time, on-line Test Catalog of available services that is updated as new testing is introduced.

9.2 Vendor Supply: Vendor must carry sufficient inventory of the Eligible Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Eligible Items contained in its bid response.

Understood and agreed.

9.3 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

Understood and agreed.

9.4 Travel: Vendor shall be responsible for all mileage and travel costs, including travel time, associated with performance of this Contract. Any anticipated mileage or travel costs may be included in the flat fee or hourly rate listed on the Vendor's bid, but such costs will not be paid by the Agency separately.

NMS Labs will cover all mileage, travel costs, and travel time associated with this contract, including client training and education. If Expert Services are required, they will be invoiced to the requesting agency at a flat fee or hourly rate as per the Expert Services Professional Support Fee Schedule.

9.5 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Tinene Alter
Telephone Number: 267-836-6688
Fax Number: 215-366-1504
Email Address: tinene.alter@nmslabs.com

Section 3

LABORATORY LICENSURE AS OF AUGUST, 2024

NMS LABS TOXICOLOGY

1. **Clinical Laboratory Improvement Amendments (CLIA) Certificate of Accreditation:** Laboratory No. 39DO197898 (Expires May 7, 2026)
2. **College of American Pathologists (CAP) Laboratory Accreditation Program (LAP):** Accreditation No. 3030301 (Expires December 8, 2025)
3. **College of American Pathologists (CAP) International Standards - ISO 15189:2007 Accreditation:** Certification No. 3030301 (Expires August 22, 2025)
4. **ISO/IEC 17025:2017:** Certificate No. FT-0120 (Expires December 31, 2026)
 - **ANSI National Accreditation Board (ANAB) Forensic Science Testing and Calibration AR 3125:2023**
 - **ABFT Forensic Toxicology Laboratory Accreditation Requirements: 2021**
5. **California Department of Public Health:** Lab ID Number COS 800001 (Expires May 28, 2025)
6. **Colorado Department of Public Health and Environment:** (Expires June 30, 2025)
7. **Illinois State Police License:** (Expires December 1, 2025)
8. **Louisiana Department of Public Safety and Corrections - Forensic Toxicology Analysis** (Tied to ANAB accreditation)
9. **Maine Department of Human Services:** Substance Abuse Testing (Effective February 26, 2024)
10. **Maryland Department of Health:**
 - Medical Laboratory Permit No. 580 (No expiration date)
 - Forensic Toxicology License No. FL009P (No expiration date)
11. **New York State Department of Health:** PFI No. 3772 (Expires June 30, 2025)
12. **Pennsylvania Department of Health:** Laboratory Permit No. 00504A (Expires August 15, 2025)
13. **Rhode Island Department of Health – Office of Facilities Regulation:** License No. LCO01266 (Expires December 30, 2024)
14. **Texas Forensic Science Commission Administration** (Tied to ANAB accreditation)
15. **FDA Registration:** Horsham No. 064341449 (No expiration date)
16. **National Provider Identifier (NPI) Number** – 1922177732 (No expiration date)
17. **Medicare** No. 39-8154 (No hard copy of license; covered under inspection by Commonwealth of PA)

LABORATORY LICENSURE AS OF AUGUST, 2024

NMS LABS CRIME LABORATORY

1. **ISO/IEC 17025:2017** Certificate No. FT-0120 (Expires December 31, 2026)
 - **ANSI National Accreditation Board (ANAB) Forensic Science Testing and Calibration AR 3125:2023**
2. **Texas Forensic Science Commission Administration:** (No expiration date – tied to ANAB accreditation)
3. **Maryland Department of Health:**
 - Willow Grove, PA License No. FL009X (No expiration date)
 - Bucks County, PA License No. FL009W (No expiration date)
 - Dallas/Fort Worth, TX License No. FL009G (No expiration date)
 - El Paso, TX License No. FL009E (No expiration date)
 - Winston-Salem, NC License No. FL009N (No expiration date)
4. **DEA Registration TX:** El Paso/Dallas Fort Worth (Expires October 31, 2024)
5. **DEA Registration PA:** Bucks County/Willow Grove (Expires October 31, 2024)
6. **DEA Registration NC:** Winston-Salem (Expires October 31, 2024)
7. **FDA Registration:** Willow Grove No. 949561885 (No expiration date)
8. **North Carolina Department of Health and Human Services Controlled Substances Registration Certificate:** Winston-Salem (Expires October 31, 2024)
9. **Washington DC Department of Health - Controlled Substance Registration:** Willow Grove, PA
 - Schedule I (Expires May 31, 2025)
 - Schedules II-V (Expires September 23, 2025)
10. **Washington DC Department of Health – Non-Resident Distributor License:** Willow Grove, PA (Expires September 30, 2024)



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

**National Medical Services, Inc.
dba NMS Labs**

200 Welsh Road, Horsham, Pennsylvania 19044 USA

Fulfills the requirements of

ISO/IEC 17025:2017

ANAB Forensic Testing & Calibration AR 3125:2019

ABFT Forensic Toxicology Laboratory Accreditation Requirements:2021

In the field of

Forensic Testing

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Pamela L. Sale, Vice President, Forensics

Expiry Date: 31 December 2026
Certificate Number: FT-0120





ANSI National Accreditation Board

**SCOPE OF ACCREDITATION TO:
ISO/IEC 17025:2017**

**ANAB Forensic Testing & Calibration AR 3125:2019
ABFT Forensic Toxicology Laboratory Accreditation Requirements:2021**

**National Medical Services, Inc.
dba NMS Labs**

See locations listed below

FORENSIC TESTING

Expiry Date: 31 December 2026 Certificate Number: FT-0120

Willow Grove (IFS-WLG)
2300 Stratford Avenue
Willow Grove, Pennsylvania 19090 USA

Discipline: Seized Drugs		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Botanical Liquid Solid	Chemical Gas Chromatography General Microscopy Infrared Spectroscopy Liquid Chromatography Mass Spectrometry Thin-Layer Chromatography Ultraviolet Spectroscopy Visual
Quantitative Measurement	Botanical Liquid Solid	Liquid Chromatography Mass Spectrometry Ultraviolet Spectroscopy
Weight Measurement	Botanical Liquid Solid	Balance

Bucks County (IFS-BUX)
850 Eagle Boulevard
Warminster, Pennsylvania 18974 USA

Discipline: Seized Drugs		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Botanical Liquid Solid	Chemical Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Thin-Layer Chromatography Visual
Weight Measurement	Botanical Liquid Solid	Balance

Dallas/Ft. Worth (IFS-DFW)
2302 113th Street, Suite 200
Grand Prairie, Texas 75050 USA

Discipline: Seized Drugs		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Botanical Liquid Solid	Chemical Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Thin-Layer Chromatography Visual
Weight Measurement	Botanical Liquid Solid	Balance

El Paso (IFS-ELP)
911 North Raynor Street
El Paso, Texas 79903 USA

Discipline: Seized Drugs		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Botanical Liquid Solid	Chemical Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Thin-Layer Chromatography Visual

Weight Measurement	Botanical Liquid Solid	Balance
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Winston-Salem (IFS-WIN)
1200 North Patterson Avenue
Winston-Salem, North Carolina 27101 USA

Discipline: Seized Drugs		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Botanical Liquid Solid	Chemical Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Thin-Layer Chromatography Visual
Weight Measurement	Botanical Liquid Solid	Balance

CORE
200 Welsh Road
Horsham, Pennsylvania 19044 USA

Discipline: Toxicology		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Ante-Mortem Biological Item Post-Mortem Biological Item	Colorimetry Diode Array Ultraviolet Spectrophotometry Gas Chromatography Immunoassay Ion Specific Electrode Liquid Chromatography Mass Spectrometry Microdiffusion
Qualitative Determination (Volatiles)	Ante-Mortem Biological Item Liquid Post-Mortem Biological Item	Chemical Gas Chromatography Mass Spectrometry
Quantitative Measurement	Ante-Mortem Biological Item Post-Mortem Biological Item	Diode-Array Ultraviolet Spectrophotometry Electrochemical Gas Chromatography Immunoassay Liquid Chromatography Mass Spectrometry Optical Emission Spectrometry Spectrofluorometry

Quantitative Measurement (Volatiles)	Ante-Mortem Biological Item Liquid Post-Mortem Biological Item	Gas Chromatography Mass Spectrometry
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JAX

2100 Jefferson Street
Jacksonville, Florida 32206 USA

Discipline: Toxicology		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Ante-Mortem Biological Item Post-Mortem Biological Item	Gas Chromatography Immunoassay Ultraviolet Spectroscopy
Qualitative Determination (Volatiles)	Ante-Mortem Biological Item Liquid Post-Mortem Biological Item	Gas Chromatography
Quantitative Measurement (Volatiles)	Ante-Mortem Biological Item Liquid Post-Mortem Biological Item	Gas Chromatography

When published on a forensic service provider's Scope of Accreditation, ANAB has confirmed the competence required to develop and validate methods and perform on-going quality assurance for accredited activities. For a listed component/parameter, the forensic service provider may add or modify methods for activities without formal notice to ANAB for items and key equipment/technology listed. Contact the forensic service provider for information on the method utilized for accredited work.



Pamela L. Sale
Vice President, Forensics



COLLEGE of AMERICAN
PATHOLOGISTS

CERTIFICATE OF ACCREDITATION

National Medical Services Inc
dba NMS Labs
Horsham, Pennsylvania
Robert A. Middleberg, PhD, DABCC

CAP#: [REDACTED]

CLIA#: [REDACTED]

The organization named above meets all applicable standards for accreditation and is hereby accredited by the College of American Pathologists' Laboratory Accreditation Program. Reinspection should occur prior to **December 08, 2025** to maintain accreditation.

Accreditation does not automatically survive a change in director, ownership, or location and assumes that all interim requirements are met.

Kathleen G. Beavis, MD
Chair, Accreditation Committee

Donald S. Karcher, MD, FCAP
President, College of American Pathologists





COLLEGE of AMERICAN
PATHOLOGISTS

CERTIFICATE OF ISO 15189 ACCREDITATION

National Medical Services, Inc.
dba NMS Labs
Horsham, Pennsylvania

CAP # [REDACTED]

The organization named above is granted this accreditation in accordance with the recognized International Standard ISO 15189:2012, Medical Laboratories – Requirements for quality and competence. This accreditation demonstrates competence for a defined scope and the operation of a laboratory quality management system.

Effective From August 22, 2022 through August 22, 2025

Gaurav Sharma MD, FCAP
Chair, CAP 15189 Committee

Emily E. Volk, MD, FCAP
President, College of American Pathologists

The scope of this accreditation includes the Quality Management System and the discipline of Chemistry.





CERTIFICATE OF LIABILITY INSURANCE

Page 1 of 1

DATE (MM/DD/YYYY)
08/19/2024

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 Willis Towers Watson Northeast, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 37205191 USA	CONTACT NAME: WTW Certificate Center PHONE (A/C, No, Ext): 1-877-945-7378 FAX (A/C, No): 1-888-467-2378 E-MAIL ADDRESS: certificates@wtwco.com
INSURED National Medical Services, Inc. dba NMS Labs 200 Welsh Road Horsham, PA 19044	INSURER(S) AFFORDING COVERAGE INSURER A: Evanston Insurance Company INSURER B: Travelers Property Casualty Company of Ame INSURER C: Phoenix Insurance Company INSURER D: INSURER E: INSURER F:
	NAIC # 35378 25674 25623

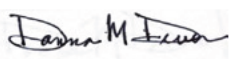
COVERAGES**CERTIFICATE NUMBER:** W34491788**REVISION NUMBER:**

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.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CONTRACTUAL LIABILITY <input checked="" type="checkbox"/> INCLUDED GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			MKLV1PHP000007	08/15/2024	08/15/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ 3,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			BA-3N062901-24-I2-G	08/15/2024	08/15/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> DED <input type="checkbox"/> RETENTION \$ 0			MKLV1UHC000034	08/15/2024	08/15/2025	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> No	N/A	UB-8K529095-24-I2-G	08/15/2024	08/15/2025	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	ERRORS & OMISSIONS			MKLV1PHP000007	08/15/2024	08/15/2025	Per Claim \$1,000,000 Aggregate \$3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

NMS Labs	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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SR ID: 26321445

BATCH: 3585359

Section 4

NMS LABS LIST OF CORE TOXICOLOGY STANDARD OPERATING PROCEDURES

AUGUST 2024

SOP ID	SOP Title	SOP Category
10494	Adding Test Add-Ons-Clinical	Administrative - Client Support
10497	Additional Specimen Submission Forensic Cases Only	Administrative - Client Support
10498	Call Queue Call Schedules	Administrative - Client Support
10499	Changing Demographic Information in LIMS System	Administrative - Client Support
10500	ClarifyMQ Report	Administrative - Client Support
10502	Client Concern Feedback Documentation Process	Administrative - Client Support
10503	Client Request for Exception Handling Clinical Samples	Administrative - Client Support
10504	Client Support Document Control	Administrative - Client Support
10505	Confidentiality and Third Party Authorization	Administrative - Client Support
10506	Creating a Routine Account in the Custom Relationship Manager (CRM) System	Administrative - Client Support
10507	Daily Pending Lists for Client Distribution	Administrative - Client Support
10509	Establishing Client Access to the NMS Lab Web Portal	Administrative - Client Support
10510	Handling Information for High Profile andor Sensitive Cases	Administrative - Client Support
10510	Handling Information for High Profile andor Sensitive Cases	Administrative - Client Support
10511	Log In Alerts Clinical Cases Only	Administrative - Client Support
10513	Overriding Specimen Storage Requirements in SpecStor	Administrative - Client Support
10513	Overriding Specimen Storage Requirements in SpecStor	Administrative - Client Support
10515	Patient Requests for Test Reports	Administrative - Client Support
10516	Private Investigator Submission Policy	Administrative - Client Support
10516	Private Investigator Submission Policy	Administrative - Client Support
10517	Reporting-Result Entry for Referral Testing in LIMS	Administrative - Client Support
10518	Sample Returns Forwarding Pick-Ups	Administrative - Client Support
10519	Specimen Storage Retention Handling	Administrative - Client Support
10520	Supply Program	Administrative - Client Support
10521	Test Cancellations	Administrative - Client Support
10522	TNP Reports - Test Not Performed	Administrative - Client Support
10524	Verification of Auto-Fax Transmission of Customer Reports	Administrative - Client Support
10525	Virtual Customer Support Representative CSR	Administrative - Client Support
10528	Additional Sample Submission Combining Samples Process	Administrative - Client Support
31370	Analysis of Unvalidated Matrix on Validated Analyte	Administrative - Client Support
53629	Account Information Updates or Changes	Administrative - Client Support
53630	Creating Prepayment Accounts in the Customer Relationship Manager (CRM) System	Administrative - Client Support
56008	Toxicological Support Services for Clients	Administrative - Client Support
10606	Conversion of a Plasma or Serum Alcohol Concentration to a Blood Alcohol Concentration	Administrative - Expert Services
10607	Depositions	Administrative - Expert Services
10608	Expert Services Account Setup and Billing in Horizon	Administrative - Expert Services

NMS LABS LIST OF CORE TOXICOLOGY STANDARD OPERATING PROCEDURES

AUGUST 2024

SOP ID	SOP Title	SOP Category
10609	Expungement of Records	Administrative - Expert Services
10610	Large File Sharing Through Sharepoint	Administrative - Expert Services
10611	Request for Expert Services - Tort Cases	Administrative - Expert Services
10613	Requests for Litigation Support Documentation	Administrative - Expert Services
10614	Subpoena Handling	Administrative - Expert Services
57974	Remote Notary using DocuSign	Administrative - Expert Services
10485	New Vendor Approval Process	Administrative - Purchasing
10488	Written Purchase Requisition	Administrative - Purchasing
10488	Written Purchase Requisition	Administrative - Purchasing
10489	Purchasing Procedures - Capital Equipment	Administrative - Purchasing
10490	Purchasing Procedures - Lab Supplies and Services	Administrative - Purchasing
10491	Receiving Inspection and Stocking of Supplies	Administrative - Purchasing
10492	Vendor Evaluation Process	Administrative - Purchasing
53252	Signing Authority Policy (Non-Capital)	Administrative - Purchasing
59001	Purchasing Procedures - Software	Administrative - Purchasing
10529	Information Inquiries	Conformance
10529	Information Inquiries	Conformance
10854	Documentation Practices	Conformance
10867	Error Investigation Contingency Plan	Conformance
10902	Protection of Human Research Subjects-IRB Approval	Conformance
10912	Unannounced Inspections or Audits	Conformance
10916	Alternate Assessment Internal Quality Control	Conformance
10933	Comparison of Methods	Conformance
10938	Lab Audit Plan for Internal and External Audits	Conformance
10947	New Method Agency Notification and Method Validation Submission	Conformance
10950	Nonconformities Assessment Program	Conformance
10952	Continual Improvement	Conformance
10957	Proficiency Testing Program External Quality Control	Conformance
10960	Reference Laboratory - Evaluation and Use	Conformance
11214	Laboratory Definitions	Conformance
40878	Administrative Definitions	Conformance
10779	Forensic Toxicology - General Guidelines	Corporate Policy
10780	Forensic Toxicology - Mission Statement	Corporate Policy
10836	Business Continuity Plan	Corporate Policy
10872	Security	Corporate Policy
10908	Visitor Policy	Corporate Policy

NMS LABS LIST OF CORE TOXICOLOGY STANDARD OPERATING PROCEDURES

AUGUST 2024

SOP ID	SOP Title	SOP Category
10910	HIPAA Compliance Plan-Privacy Standards	Corporate Policy
10913	Quality Manual	Corporate Policy
10914	Corporate Compliance Plan	Corporate Policy
10939	Management Review of Quality Systems	Corporate Policy
16994	Respiratory Viruses Policies and Procedures	Corporate Policy
9951	Document Control and Standard Operating Procedures	Document Management
10717	Laboratory Information Management System User Guides/ Manuals	Document Management
10832	BID REVIEW AND PROCESSING	Document Management
10834	CUSTOMER SURVEY	Document Management
10891	Records Retention Storage and Retrieval	Document Management
10924	Analytical Methods Format Maintenance and Training	Document Management
10959	Quality Assurance Department Files	Document Management
11057	Curriculum Vitae and Testimony Tracker	Document Management
11121	NAMING CONVENTION FOR SEQUENCE AND DATA FILES	Document Management
10690	Horizon Test Code Validation	Information Technology
10691	Adding, Changing, De-Activating, and Granting Access for Users on the NMS Network	Information Technology
10692	CALCULATION REVIEW	Information Technology
10693	Cataloging Workstation and Lab Equipment Software	Information Technology
10698	Chromatography Methods of Calculation Using Totalchrom Software	Information Technology
10699	Computer HardwareSoftware Inventory and Documentation	Information Technology
10701	DATA CENTER ENVIRONMENTAL CONTROL PROCEDURE	Information Technology
10702	EDI DATABASE UPDATE VERIFICATION	Information Technology
10703	EDI INTERFACE MONITORING	Information Technology
10705	EDI TEST VALIDATION	Information Technology
10706	Externally Hosted Server Maintenance	Information Technology
10708	GENERAL SERVER BACKUP	Information Technology
10709	Horizon Test Catalog	Information Technology
10710	Horizon Rules Engine	Information Technology
10711	HORIZON_ORACLE BACKUP POLICY	Information Technology
10715	Information Technology Disaster Recovery Plan	Information Technology
10718	LIMS USER ACCOUNT REVIEW	Information Technology
10718	LIMS USER ACCOUNT REVIEW	Information Technology
10719	PRODUCING SAMPLE REPORTS & DATABASE INFORMATION FOR CLIENTS	Information Technology
10720	REBOOTING THE TOTALCHROM SERVER	Information Technology
10722	Restoration and Validation of System Backup Data	Information Technology
10723	SECURITY LOGGING PROCEDURES FOR THE NMS LABS LAN & WAN	Information Technology

NMS LABS LIST OF CORE TOXICOLOGY STANDARD OPERATING PROCEDURES

AUGUST 2024

SOP ID	SOP Title	SOP Category
10724	SOFTWARE CODE MANAGEMENT AND PROMOTION	Information Technology
10725	SOFTWARE TESTING AND VALIDATION	Information Technology
10726	SQL SERVER BACKUP POLICY	Information Technology
10727	StarLIMS INSTRUMENT INTERFACE SOFTWARE VALIDATION	Information Technology
10728	SYSTEM DEVELOPMENT LIFE CYCLE (SDLC)	Information Technology
10728	SYSTEM DEVELOPMENT LIFE CYCLE (SDLC)	Information Technology
10729	SYSTEM DOWNTIME NOTIFICATION, TRACKING, AND DOCUMENTATION FOR ENTERPRISE APPLICATIONS	Information Technology
10729	SYSTEM DOWNTIME NOTIFICATION, TRACKING, AND DOCUMENTATION FOR ENTERPRISE APPLICATIONS	Information Technology
10731	VERIFICATION OF RESULTS FOR THE EDI	Information Technology
10732	Versioning Tool	Information Technology
10733	MONITORING EDI INTERFACES	Information Technology
10734	Computer HardwareSoftware Maintenance and Repair	Information Technology
10797	Preparation for Database Updates	Information Technology
10905	Information Technology Department Security	Information Technology
11823	Software Requirements	Information Technology
12545	User Acceptance Testing	Information Technology
13576	Applying Patches to Operating Systems and Applications	Information Technology
14696	Modifying Production Database Records	Information Technology
21011	Instrument Interface Analyte Linking	Information Technology
21025	Mobile Phone Eligibility and Security Requirements	Information Technology
21595	Data Loss Prevention Monitoring and Alerting	Information Technology
56336	Cybersecurity Awareness Training Policy	Information Technology
59483	Software Implementation and Verification Policy	Information Technology
60228	Cryptography Policy	Information Technology
62895	Mobile Device Policy	Information Technology
10615	Testimony Monitoring	Personnel
10616	Litigation Support Package Content and Review Requirements	Personnel
10697	Change Control Process for Horizon LIMS Database Modifications	Personnel
10712	Information Technology Department Laboratory Support	Personnel
10716	Lab Site Prep for Instrument and Equipment	Personnel
10781	Miscellaneous Toxicologist Responsibilities	Personnel
10856	Information Security Incident Response	Personnel
10856	Information Security Incident Response	Personnel
10859	Laboratory TIQ Site Monitoring	Personnel
10860	Employee Continuing Education	Personnel
10881	Encrypted Email Policy	Personnel

NMS LABS LIST OF CORE TOXICOLOGY STANDARD OPERATING PROCEDURES

AUGUST 2024

SOP ID	SOP Title	SOP Category
10883	Professional Meeting Attendance	Personnel
10893	Electronic Signatures Policy	Personnel
10894	Electronic Mail Policy	Personnel
10895	Password Policy	Personnel
10896	Software Monitoring	Personnel
10897	Prevention Identification and Handling of Computer Viruses	Personnel
10898	Internet Usage Policy	Personnel
10898	Internet Usage Policy	Personnel
10899	Appropriate Use of Computing Resources	Personnel
10900	Laboratory Information Management System LIMS Training	Personnel
10906	Computer Security	Personnel
11397	Personnel Training	Personnel
22309	Core Technical Procedure Training	Personnel
22312	Required Documents and Personnel License Instructions	Personnel
10667	Research & Development Data Documentation and Retention Guidelines	Research and Development
10681	R and D Equipment and Instrument Use and Maintenance	Research and Development
10683	Reagents - Preparation and Storage in RandD	Research and Development
10885	Administrative Guidelines for New and Existing Method Updates	Research and Development
21608	Method Verification Evaluation of New and Updated Methods for Quantitative Analytical Testing	Research and Development
25929	REGULATORY RESEARCH REQUESTS AND REVIEWS	Research and Development
56007	Method Verification Evaluation of New and Updated Methods for Qualitative Analytical Testing	Research and Development
61834	Method Development Guidelines of New and Existing Methods	Research and Development
10306	Adding to the Scope of a Qualitative Screening Test Employing Mass Spectrometry	Resources - Equipment
10308	Agilent Cary 8454 UV-Visible Maintenance and Operation	Resources - Equipment
10312	Beckman Coulter AU 480 Maintenance and Operation	Resources - Equipment
10313	Cary Eclipse Maintenance and Operation	Resources - Equipment
10339	Tecan Freedom EVO 75,150, Sunrise, and Plate Washer Operations	Resources - Equipment
10344	Thermo Evolution 300 Maintenance and Operation	Resources - Equipment
10543	AGILENT 7697A HEADSPACE SAMPLER OPERATION	Resources - Equipment
10543	AGILENT 7697A HEADSPACE SAMPLER OPERATION	Resources - Equipment
10543	AGILENT 7697A HEADSPACE SAMPLER OPERATION	Resources - Equipment
10551	API Series LCMSMS Routine Operation Procedures and Maintenance	Resources - Equipment
10553	COMBI PAL (FROM LEAP TECHNOLOGIES) OPERATION	Resources - Equipment
10561	GCMS Instrumentation Guide	Resources - Equipment
10566	GC-MS_MS INSTRUMENTATION GUIDE	Resources - Equipment
10577	LC-MSMS ROUTINE OPERATION PROCEDURES AND MAINTENANCE	Resources - Equipment

NMS LABS LIST OF CORE TOXICOLOGY STANDARD OPERATING PROCEDURES

AUGUST 2024

SOP ID	SOP Title	SOP Category
10730	TOTALCHROM CHANGE OR MOVE POLICY (MC)	Resources - Equipment
10737	iCAP6500 Simultaneous ICP-OES Operating Procedure	Resources - Equipment
10743	ASXpress Operations	Resources - Equipment
10753	ICP-MS Operation and Maintenance	Resources - Equipment
10754	DigiPREP Jr. Maintenance and Operation	Resources - Equipment
10755	Metrohm 867 pH Module with TIAMO Software Maintenance and Operation	Resources - Equipment
10756	ProtoFluor-Z Hematofluorometer Maintenance and Operation	Resources - Equipment
10801	Centrifuge Verification	Resources - Equipment
10814	Pipette Calibrations	Resources - Equipment
10817	QUALITY CONTROL AND PREVENTIVE MAINTENANCE OF REFRIGERATORS-FREEZERS-OVENS-HEAT BLOCKS	Resources - Equipment
10821	VERIFICATION AND PREVENTIVE MAINTENANCE FOR ANALYTICAL BALANCES AND MASS WEIGHTS	Resources - Equipment
10839	AUTOMATED PIPETTE TRAINING PROGRAM	Resources - Equipment
10920	ANALYTICAL INSTRUMENT QUALIFICATION	Resources - Equipment
10958	New Instrument Qualification and Existing Instrument Comparison	Resources - Equipment
10994	Blind Testing Program Internal Quality Control Sample Preparation	Resources - Equipment
11013	Operation and Maintenance of Millrock Stellar Series Freeze-Dryer	Resources - Equipment
11015	Operation and Maintenance of the Phaseprep II Solution Preparation System	Resources - Equipment
11016	Operation and Maintenance of the Tubewriter 360	Resources - Equipment
11021	Thermometer Point Check Calibration	Resources - Equipment
11035	MAINTENANCE OF HAMILTON MICRODILUTER	Resources - Equipment
11070	Equipment Use and Maintenance	Resources - Equipment
11078	FISHER ACCUMET RESEARCH AR10 PH METER WITH pH-ATC COMBINATION ELECTRODES OPERATION	Resources - Equipment
11105	Maintenance of HP Gas Chromatograph	Resources - Equipment
11563	Operation of the Eppendorf Xstream Pipettor	Resources - Equipment
11585	Pipette Maintenance Procedures	Resources - Equipment
15529	Operating the Biosafety Cabinet	Resources - Equipment
41324	Tubewriter Media Type Parameters	Resources - Equipment
61691	Use and Operation of the SDB-1R Solids Dispenser	Resources - Equipment
62630	Maintaining the Pipette Inventory	Resources - Equipment
10346	Updating DRS and Screener Libraries and Databases	Resources - Reagents/Standards/Containers
10346	Updating DRS and Screener Libraries and Databases	Resources - Reagents/Standards/Containers
10350	Validation of Calibrators, Standards and Controls by GCMS, LCMS TOF and QTOF-LCMS	Resources - Reagents/Standards/Containers
10664	ADDING AN ISOTOPICALLY LABELED INTERNAL STANDARD TO A QUANTITATIVE GCMS OR LC-MSMS ANALYSIS	Resources - Reagents/Standards/Containers
10765	Elemental Testing of Specimen Collection Containers	Resources - Reagents/Standards/Containers
10995	Creation of In-House Bulk Preparations	Resources - Reagents/Standards/Containers
10996	Drug Database Requisitions and Usage Instructions	Resources - Reagents/Standards/Containers

NMS LABS LIST OF CORE TOXICOLOGY STANDARD OPERATING PROCEDURES

AUGUST 2024

SOP ID	SOP Title	SOP Category
10997	Drug Standard Protocol	Resources - Reagents/Standards/Containers
11000	Electronic Preparation Sheet Handling	Resources - Reagents/Standards/Containers
11009	Hair Drug Solution Preparation	Resources - Reagents/Standards/Containers
11017	Preparation of Analytical Standards	Resources - Reagents/Standards/Containers
11018	Preparation of In-House Blank (Negative) Urine	Resources - Reagents/Standards/Containers
11023	Verification of In-House Standards by UV Absorbance	Resources - Reagents/Standards/Containers
11024	Verification of Relative Concentrations of Stock Standards	Resources - Reagents/Standards/Containers
11129	Reagents - Preparation and Storage	Resources - Reagents/Standards/Containers
11145	Validation and Certification of Blank Hair	Resources - Reagents/Standards/Containers
42732	Operation and Maintenance of Coulometric KF Titrator C30S	Resources - Reagents/Standards/Containers
50887	Metals RBC Sample Handling	Resources - Reagents/Standards/Containers
10750	Class 10,000 (ISO7) Clean Room Protocol	Safety and Facilities
10807	FUME HOOD FACE VELOCITY CALIBRATION	Safety and Facilities
10822	Building Repairs and Modifications	Safety and Facilities
10823	Confined Space	Safety and Facilities
10824	Electrical Inspection and Testing Procedures	Safety and Facilities
10826	Hot Work Policy and Procedure	Safety and Facilities
10826	Hot Work Policy and Procedure	Safety and Facilities
10826	Hot Work Policy and Procedure	Safety and Facilities
10827	Lockout-Tagout Procedure	Safety and Facilities
10827	Lockout-Tagout Procedure	Safety and Facilities
10827	Lockout-Tagout Procedure	Safety and Facilities
10828	Manual Start for Backup Generator	Safety and Facilities
10829	Noise Level Monitoring	Safety and Facilities
10830	Pest Control	Safety and Facilities
10875	Bloodborne Pathogen Exposure Control Plan	Safety and Facilities
10880	Chemical Hygiene Plan	Safety and Facilities
10903	Bomb Threats	Safety and Facilities
10904	Active Threat Guidelines	Safety and Facilities
10909	Safety Manual	Safety and Facilities
11037	ACID-BASE NEUTRALIZATION	Safety and Facilities
11122	ON-LINE SDS AND CHEMICAL INVENTORY	Safety and Facilities
11137	Respiratory Protection Program for Spill Response	Safety and Facilities
15534	Operating the Celitron Integrated Sterilizer & Shredder	Safety and Facilities
15534	Operating the Celitron Integrated Sterilizer & Shredder	Safety and Facilities
22669	Generator Preventive Maintenance	Safety and Facilities

NMS LABS LIST OF CORE TOXICOLOGY STANDARD OPERATING PROCEDURES

AUGUST 2024

SOP ID	SOP Title	SOP Category
60206	Waste Protocol	Safety and Facilities
10304	Acceptance Review and Reporting Analytical Data	Testing - Acceptance/Reporting
10318	LCMS TOF and QTOF-LCMS Routine Operation Procedures and Maintenance	Testing - Acceptance/Reporting
10556	DATA PROCESSING FOR WATERS LC-MS-MS DATA	Testing - Acceptance/Reporting
10599	System Suitability for GC and GCMS Tests	Testing - Acceptance/Reporting
10599	System Suitability for GC and GCMS Tests	Testing - Acceptance/Reporting
10769	Blood Alcohol Concentration BAC Retrograde Extrapolation	Testing - Acceptance/Reporting
10775	FORENSIC INVESTIGATIONS	Testing - Acceptance/Reporting
10778	Forensic Toxicological Case Types and Test Assignment	Testing - Acceptance/Reporting
10786	Reporting of Forensic Toxicological Cases	Testing - Acceptance/Reporting
10790	Toxicology Review Process	Testing - Acceptance/Reporting
10858	Discontinuing a Test Listed in the Directory of Service	Testing - Acceptance/Reporting
10961	Reporting Results Not Ordered	Testing - Acceptance/Reporting
11049	Backlog Reports	Testing - Acceptance/Reporting
11053	Bioanalytical Batch Acceptance Criteria	Testing - Acceptance/Reporting
11054	CLINICAL SAMPLE STABILITY	Testing - Acceptance/Reporting
11055	Corrected Reports	Testing - Acceptance/Reporting
11060	Duplicate Checks	Testing - Acceptance/Reporting
11077	Final Report Formatting	Testing - Acceptance/Reporting
11082	Forensic Sample Flow, Case Documentation and Review Practices-Toxicology	Testing - Acceptance/Reporting
11086	In-Process Quality Control for Clinical and Forensic Testing	Testing - Acceptance/Reporting
11087	LABWIDE PROCESS FOR ONBASE SYSTEM	Testing - Acceptance/Reporting
11123	Quantitative Calculation of Standard Addition Results	Testing - Acceptance/Reporting
11124	PROCESSING AND REPORTING HAIR SPECIMENS BY LABORATORY PERSONNEL	Testing - Acceptance/Reporting
24080	METHOD OF CALCULATION AND BATCH ACCEPTANCE FOR CORE LAB ALCOHOLS	Testing - Acceptance/Reporting
38914	Specimen Processing Secondary Review	Testing - Acceptance/Reporting
61342	Tox Queue Manual	Testing - Acceptance/Reporting
10964	Test Code 9999 Test Cancellation	Testing - Sampling
10965	Aliquoting Specimens Excluding Hair	Testing - Sampling
10966	Clarify Procedures	Testing - Sampling
10967	Cleaning the Homogenizer	Testing - Sampling
10968	Electronic Chain of Custody and Transporting Samples	Testing - Sampling
10970	Hair Preparation for Forensic Cases	Testing - Sampling
10972	Hair Segmentation Cases	Testing - Sampling
10973	Housekeeping Requirements for Specimen Processing	Testing - Sampling
10976	Receiving and Opening in Specimen Processing	Testing - Sampling

NMS LABS LIST OF CORE TOXICOLOGY STANDARD OPERATING PROCEDURES

AUGUST 2024

SOP ID	SOP Title	SOP Category
10977	Returning Specimens	Testing - Sampling
10979	Specimen Processing Accessioning	Testing - Sampling
10982	Specimen Processing Courier	Testing - Sampling
10984	Specimen Storage (SpecStor) Program	Testing - Sampling
10986	Weighing Out Samples	Testing - Sampling
11050	Benzene Exposure Handling Procedure	Testing - Sampling
11135	Requesting Specimens from Processing	Testing - Sampling
11136	Resample Request Documentations in Horizon	Testing - Sampling
11139	Sample Handling Techniques	Testing - Sampling
49392	Send Out	Testing - Sampling
52096	Umbilical Cord Sample Preparation	Testing - Sampling
55573	Homogenate Preparation	Testing - Sampling
10334	QC and Data Review for GCMS	Testing - Validation
10929	Calculation Spreadsheet Development Implementation and Validation	Testing - Validation
10934	DETERMINATION OF UNCERTAINTY OF MEASUREMENT	Testing - Validation
10942	Method Validation for Quantitative Bioanalytical Testing Procedures	Testing - Validation
10944	METHOD VALIDATION FOR REPORTABLE QUALITATIVE BIOANALYTICAL TESTING PROCEDURES	Testing - Validation
10963	RETROSPECTIVE METHOD VALIDATION FOR QUANTITATIVE BIOANALYTICAL TESTING PROCEDURES	Testing - Validation
53202	DRUG CHEMISTRY DETERMINATION OF UNCERTAINTY OF MEASUREMENT	Testing - Validation



Postmortem Toxicology

Scope of Testing

Effective Date:10/29/2024

Analyte	8051B Basic	8052B* Expanded	8054B* TotalTox™	8756B* NPS Screen	
10-Hydroxycarbazepine		X	X		
11-Hydroxy Delta-9 THC	X	X	X		
2-Furanylfentanyl			X	X	
3-MeO-PCP			X	X	
3-hydroxy-PCP			X	X	
4-ANPP		X	X	X	
6-Beta-Naltrexol - Free		X	X		
6-Monoacetylmorphine		X	X		
6-Monoacetylmorphine - Free	X	X	X		
7-Amino Clonazepam	X	X	X		
7-Amino Flunitrazepam		X	X		
8-Aminoclonazepam		X	X	X	
9-Hydroxyrisperidone		X	X		
Acetaminophen		X	X		
Acetone	X	X	X		
Acetyl Fentanyl	X	X	X	X	
Acrylfentanyl			X	X	
Alfentanil		X	X		
Alpha-Hydroxyalprazolam	X	X	X		
Alpha-Hydroxyetizolam		X	X	X	
Alprazolam	X	X	X		
Amitriptyline		X	X		
Amlodipine		X	X		
Amoxapine			X		
Amphetamine	X	X	X		
Amphetamines	X				
Aripiprazole		X	X		
Atomoxetine		X	X		
Atropine		X	X		
Barbiturates	X	X	X		
Benzodiazepines	X				
Benzoylcegonine	X	X	X		
Benztrapine			X		
Blood Alcohol Concentration (BAC)	X	X	X		
Bromazepam		X	X	X	
Bromazolam			X	X	
Brompheniramine			X		
Buprenorphine		X	X		
Buprenorphine - Free	X	X	X		
Buprenorphine / Metabolite	X				
Bupropion		X	X		
Buspirone		X	X		
Butalbital	X	X	X		
Butyrylfentanyl			X	X	
Caffeine		X	X		

NOTE: When comparing a test with an ELISA screen to a test with a TOF screen, the scope may list drug classes for the ELISA test but not for the TOF test. This is because TOF does not use drug classes in its library (ex: Benzodiazepines). However, the individual analytes within the drug classes will appear in the scope listing (ex: Clonazepam and Lorazepam).

Analyte	8051B Basic	8052B* Expanded	8054B* TotalTox™	8756B* NPS Screen	
Cannabinoids	X	X	X		
Carbamazepine		X	X		
Carbamazepine-10,11-Epoxy		X	X		
Carfentanil		X	X	X	
Carisoprodol		X	X		
Chlordiazepoxide	X	X	X		
Chlorpheniramine		X	X		
Chlorpromazine		X	X		
Citalopram / Escitalopram		X	X		
Clobazam	X	X	X		
Clomipramine		X	X		
Clonazepam	X	X	X		
Clonazepam		X	X	X	
Clonidine		X	X		
Clozapine		X	X		
Cocaethylene	X	X	X		
Cocaine	X	X	X		
Cocaine / Metabolites	X				
Codeine		X	X		
Codeine - Free	X	X	X		
Cotinine		X	X		
Cyclobenzaprine		X	X		
Cyclopropylfentanyl			X	X	
Delorazepam			X	X	
Delta-9 Carboxy THC	X	X	X		
Delta-9 THC	X	X	X		
Desalkylflurazepam	X		X		
Desethylvaridenafil			X		
Desipramine		X	X		
Desmethylclomipramine		X	X		
Desmethyldoxepin		X	X		
Desmethyloperamide		X	X		
Desmethylsertraline		X	X		
Desmethyltrimipramine			X		
Dextro / Levo Methorphan		X	X		
Dextrophan / Levorphanol		X	X		
Diazepam	X	X	X		
Diclazepam			X	X	
Dicyclomine		X	X		
Dihydrocodeine / Hydrocodol		X	X		
Dihydrocodeine / Hydrocodol - Free	X	X	X		
Diltiazem		X	X		
Diphenhydramine		X	X		
Donepezil		X	X		
Doxepin		X	X		
Doxylamine		X	X		
Duloxetine		X	X		
EDDP	X	X	X		
Ecgonine Methyl Ester	X	X	X		
Ephedrine		X	X		
Estazolam	X				
Eszopiclone / Zopiclone		X	X		
Ethanol	X	X	X		
Ethylone			X	X	

NOTE: When comparing a test with an ELISA screen to a test with a TOF screen, the scope may list drug classes for the ELISA test but not for the TOF test. This is because TOF does not use drug classes in its library (ex: Benzodiazepines). However, the individual analytes within the drug classes will appear in the scope listing (ex: Clonazepam and Lorazepam).

Analyte	8051B Basic	8052B* Expanded	8054B* TotalTox™	8756B* NPS Screen	
Etizolam		X	X	X	
Eutylone			X	X	
Fentanyl	X	X	X	X	
Fentanyl / Acetyl Fentanyl	X				
Flecainide			X		
Flualprazolam		X	X	X	
Flubromazepam		X	X	X	
Flubromazolam		X	X	X	
Flunitrazepam		X	X		
Fluoxetine		X	X		
Fluphenazine			X		
Flurazepam	X		X		
Fluvoxamine			X		
Gabapentin		X	X		
Guaifenesin		X	X		
Haloperidol		X	X		
Hydrocodone		X	X		
Hydrocodone - Free	X	X	X		
Hydromorphone		X	X		
Hydromorphone - Free	X	X	X		
Hydroxybupropion		X	X		
Hydroxychloroquine			X		
Hydroxyethylflurazepam	X		X		
Hydroxytriazolam	X		X		
Hydroxyzine		X	X		
Imipramine		X	X		
Isopropanol	X	X	X		
Isotonitazene			X	X	
Isotonitazene / Protonitazene			X	X	
Ketamine		X	X		
LSD		X	X		
Lacosamide		X	X		
Lamotrigine		X	X		
Levamisole		X	X		
Levetiracetam		X	X		
Lidocaine		X	X		
Loperamide		X	X		
Lorazepam	X	X	X		
MDA	X	X	X		
MDEA			X		
MDMA	X	X	X		
Memantine		X	X		
Meperidine			X		
Meprobamate		X	X		
Mescaline		X	X		
Mesoridazine			X		
Metaxalone			X		
Methadone	X	X	X		
Methadone / Metabolite	X				
Methamphetamine	X	X	X		
Methamphetamine / MDMA	X				
Methanol	X	X	X		
Methaqualone			X		
Methocarbamol		X	X		

NOTE: When comparing a test with an ELISA screen to a test with a TOF screen, the scope may list drug classes for the ELISA test but not for the TOF test. This is because TOF does not use drug classes in its library (ex: Benzodiazepines). However, the individual analytes within the drug classes will appear in the scope listing (ex: Clonazepam and Lorazepam).

Analyte	8051B Basic	8052B* Expanded	8054B* TotalTox™	8756B* NPS Screen	
Methoxetamine			X		
Methylphenidate		X	X		
Metonitazene			X	X	
Metoprolol		X	X		
Midazolam	X	X	X		
Mirtazapine		X	X		
Mitragynine		X	X	X	
Morphine		X	X		
Morphine - Free	X	X	X		
N,N-Dimethylpentylone			X	X	
N-Desmethylsildenafil		X	X		
N-desethyl Isotonitazene			X	X	
N-ethyl Pentylone			X	X	
N-pyrrolidino Etonitazene			X	X	
N-pyrrolidino Protonitazene			X	X	
Naloxone		X	X		
Naltrexone		X	X		
Naltrexone - Free		X	X		
Naproxen		X	X		
Nicotine		X	X		
Norbuprenorphine		X	X		
Norbuprenorphine - Free	X	X	X		
Norclozapine		X	X		
Nordiazepam	X	X	X		
Norfentanyl	X	X	X	X	
Norflunitrazepam		X	X		
Norfluoxetine		X	X		
Norketamine		X	X		
Normeperidine			X		
Norpropoxyphene			X		
Norpseudoephedrine		X	X		
Nortriptyline		X	X		
O-Desmethyltramadol		X	X		
O-Desmethylvenlafaxine		X	X		
Olanzapine		X	X		
Opiates	X				
Oxazepam	X	X	X		
Oxycodone		X	X		
Oxycodone - Free	X	X	X		
Oxycodone / Oxymorphone	X				
Oxymorphone		X	X		
Oxymorphone - Free	X	X	X		
Paroxetine		X	X		
Pentobarbital	X	X	X		
Pentylone			X	X	
Perphenazine			X		
Phenacetin			X		
Phenazepam			X	X	
Phencyclidine	X	X	X		
Pheniramine			X		
Phenobarbital	X	X	X		
Phentermine		X	X		
Phenylethylmalonamide (PEMA)		X	X		
Phenylpropanolamine		X	X		

NOTE: When comparing a test with an ELISA screen to a test with a TOF screen, the scope may list drug classes for the ELISA test but not for the TOF test. This is because TOF does not use drug classes in its library (ex: Benzodiazepines). However, the individual analytes within the drug classes will appear in the scope listing (ex: Clonazepam and Lorazepam).

Analyte	8051B Basic	8052B* Expanded	8054B* TotalTox™	8756B* NPS Screen	
Phenytoin		X	X		
Primidone		X	X		
Prochlorperazine		X	X		
Promethazine		X	X		
Propoxyphene			X		
Protonitazene			X	X	
Pseudoephedrine		X	X		
Psilocin		X	X		
Quetiapine		X	X		
Quinidine			X		
Quinine		X	X		
Risperidone		X	X		
Ritalinic Acid		X	X		
Salicylate		X	X		
Salicylates		X	X		
Scope Statement		X	X		
Secobarbital	X	X	X		
Sertraline		X	X		
Sildenafil		X	X		
Strychnine		X	X		
Sufentanil		X	X		
Tadalafil		X	X		
Tapentadol		X	X		
Tapentadol - Free		X	X		
Temazepam	X	X	X		
Tetrahydrozoline		X	X		
Theophylline			X		
Thioridazine			X		
Tizanidine			X		
Topiramate		X	X		
Tramadol		X	X		
Trazodone		X	X		
Triazolam	X		X		
Trifluoperazine			X		
Trimipramine			X		
Tripolidine			X		
U-47700			X	X	
Valeryl fentanyl			X	X	
Vardenafil			X		
Venlafaxine		X	X		
Verapamil		X	X		
Warfarin		X	X		
Xylazine		X	X		
Yohimbine			X		
Zaleplon			X		
Ziprasidone		X	X		
Zolpidem		X	X		
Zonisamide		X	X		
alpha-PHP / alpha-PiHP			X	X	
alpha-PVP			X	X	
cis-3-Methylfentanyl			X	X	
mCPP		X	X		
para-Fluorofentanyl		X	X	X	
para-Fluoroisobutyrylfentanyl			X	X	

NOTE: When comparing a test with an ELISA screen to a test with a TOF screen, the scope may list drug classes for the ELISA test but not for the TOF test. This is because TOF does not use drug classes in its library (ex: Benzodiazepines). However, the individual analytes within the drug classes will appear in the scope listing (ex: Clonazepam and Lorazepam).

Analyte	8051B Basic	8052B* Expanded	8054B* TotalTox™	8756B* NPS Screen	
trans-3-Methylfentanyl			X	X	

*** Drug Trend Analysis and Surveillance Library**

NMS Labs has a specialized team of experts focused on tracking evolving Novel Psychoactive Substances (NPS) trends, identifying novel and emerging drugs and anticipating the most prevalent new substances. Using a broad range of resources including the latest medical and scientific literature, collaboration with the Center for Forensic Science Research and Education (CFSRE), data from our forensic drug chemistry casework and monitoring chatter from on-line drug user networks, the mission of this team is to listen, anticipate and proactively provide the latest in analytical testing options for our customers. Ensuring responsiveness to the needs of public safety and public health clients with innovative solutions is a top priority. With this dedicated approach to identifying NPS compounds, the scope of compounds is dynamic and changes over time.

All samples tested on our LC/TOF-MS are evaluated by toxicologists using an internally developed analytical library specific to emerging NPS compounds and other esoteric compounds. We call this supplemental library of NPS and esoteric compounds the NMS Labs Surveillance Library.

As of 10/28/24, the NMS Labs Surveillance Library includes:

Expanded Panel Test Codes (ex. 8052B)

- Expanded Panel surveillance findings require client approval for confirmation and payment of the requisite fee.
- In situations where an additional charge for confirming a surveillance finding is required, the client will be notified and may consult with our Toxicology staff on the most appropriate approach given the case history and options available.

Expanded Panel Surveillance Compounds: 2-Furanylfentanyl, 2-Methyl AP-237, 3-hydroxy-PCP, 3-MeO-PCP, 3-Fluorophenmetrazine, Acrylfentanyl, alpha-PHP/alpha-PiHP, alpha-PVP, Amoxapine, AP-238, Benztropine, Bropheniramine, Brorphine, Bromazolam, Butylone, Butyrlfentanyl, Chloroquine, cis-3 Methylfentanyl, Cyclopropylfentanyl, Delorazepam, Deschloroetizolam, Diclazepam, Ethylone, Eutylone, Flecainide, Flualprazolam, Fluphenazine, Flurazepam, Fluvoxamine, Hydroxychloroquine, Hydroxyethylflurazepam, Hydroxytriazolam, Isotonitazene / Protonitazene, MDEA, Meclonazepam, Meperidine, Mesoridazine, Metaxolone, Methaqualone, Metonitazene, N-desethyl Isotonitazene, N-ethyl Pentylone, N,N-Dimethylpentylone, N-pyrrolidino Etonitazene, N-pyrrolidino Protonitazene, Normeperidine, Norpropoxyphene, para-Fluoroisobutyrylfentanyl, Pentylone, Perphenazine, Phenacetin, Phenazepam, Pheniramine, Propoxyphene, Pyrazolam, Quinidine, Tianeptine, Tizanidine, Theophylline, Thioridazine, trans-3-Methylfentanyl, Trifluoperazine, Trimipramine, Tripolidine, Vardenafil, Yohimbine, Zaleplon

NMS TotalTox™ (ex 8054B) & Novel Psychoactive Substances (NPS) (ex. 8756B)

- The NMS TotalTox™ products are our premium NPS panels. Many of the Expanded Surveillance Compounds are included within the NMS TotalTox test scope which explains why this Surveillance Library contains fewer compounds.
- NMS TotalTox surveillance findings will be automatically confirmed for NO charge resulting in faster reporting.

NMS TotalTox™ Surveillance Compounds: 2-Methyl AP-237, 3-Fluorophenmetrazine, AP-238, Brorphine, Chloroquine, Deschloroetizolam, Meclonazepam, Pyrazolam, Tianeptine

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Screening Analytes

8052B Postmortem, Expanded, Blood (Forensic)

Effective Date:10/28/2024

Alphabetical List of Screening Analytes

Screen Analyte	Method	Reporting Limit*
10-Hydroxycarbazepine	LC/TOF-MS	3.0 mcg/mL
4-ANPP	LC/TOF-MS	1.0 ng/mL
6-Beta-Naltrexol - Free	LC/TOF-MS	10 ng/mL
6-Monoacetylmorphine	LC/TOF-MS	2.0 ng/mL
7-Amino Clonazepam	LC/TOF-MS	10 ng/mL
7-Amino Flunitrazepam	LC/TOF-MS	5.0 ng/mL
8-Aminoclonazepam	LC/TOF-MS	2.0 ng/mL
9-Hydroxyrisperidone	LC/TOF-MS	5.0 ng/mL
Acetaminophen	LC/TOF-MS	20 mcg/mL
Acetone	Headspace GC	5.0 mg/dL
Acetyl Fentanyl	LC/TOF-MS	0.5 ng/mL
Alfentanil	LC/TOF-MS	10 ng/mL
Alpha-Hydroxyalprazolam	LC/TOF-MS	20 ng/mL
Alpha-Hydroxyetizolam	LC/TOF-MS	5.0 ng/mL
Alprazolam	LC/TOF-MS	10 ng/mL
Amitriptyline	LC/TOF-MS	50 ng/mL
Amlodipine	LC/TOF-MS	5.0 ng/mL
Amphetamine	LC/TOF-MS	10 ng/mL
Aripiprazole	LC/TOF-MS	50 ng/mL
Atomoxetine	LC/TOF-MS	100 ng/mL
Atropine	LC/TOF-MS	1000 ng/mL
Barbiturates	ELISA	0.04 mcg/mL
Benzoylcegonine	LC/TOF-MS	100 ng/mL
Blood Alcohol Concentration (BAC)	Headspace GC	0.01 g/100 mL
Bromazepam	LC/TOF-MS	10 ng/mL
Buprenorphine	LC/TOF-MS	1.0 ng/mL
Bupropion	LC/TOF-MS	25 ng/mL
Buspirone	LC/TOF-MS	25 ng/mL
Caffeine	LC/TOF-MS	0.2 mcg/mL
Cannabinoids	ELISA	10 ng/mL
Carbamazepine	LC/TOF-MS	0.2 mcg/mL
Carbamazepine-10,11-Epoxy	LC/TOF-MS	1.0 mcg/mL
Carfentanil	LC/TOF-MS	0.1 ng/mL
Carisoprodol	LC/TOF-MS	0.2 mcg/mL
Chlordiazepoxide	LC/TOF-MS	50 ng/mL
Chlorpheniramine	LC/TOF-MS	10 ng/mL
Chlorpromazine	LC/TOF-MS	20 ng/mL
Citalopram / Escitalopram	LC/TOF-MS	100 ng/mL
Clobazam	LC/TOF-MS	50 ng/mL
Clomipramine	LC/TOF-MS	50 ng/mL
Clonazepam	LC/TOF-MS	10 ng/mL
Clonazepam	LC/TOF-MS	5.0 ng/mL
Clonidine	LC/TOF-MS	5.0 ng/mL
Clozapine	LC/TOF-MS	50 ng/mL

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* Reporting Limit not adjusted for dilutions, homogenates, etc.

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Screen Analyte	Method	Reporting Limit*
Cocaethylene	LC/TOF-MS	20 ng/mL
Cocaine	LC/TOF-MS	20 ng/mL
Codeine	LC/TOF-MS	10 ng/mL
Cotinine	LC/TOF-MS	200 ng/mL
Cyclobenzaprine	LC/TOF-MS	20 ng/mL
Desipramine	LC/TOF-MS	50 ng/mL
Desmethylclomipramine	LC/TOF-MS	50 ng/mL
Desmethyldoxepin	LC/TOF-MS	25 ng/mL
Desmethyloperamide	LC/TOF-MS	5.0 ng/mL
Desmethylsertraline	LC/TOF-MS	20 ng/mL
Dextro / Levo Methorphan	LC/TOF-MS	50 ng/mL
Dextrorphan / Levorphanol	LC/TOF-MS	100 ng/mL
Diazepam	LC/TOF-MS	25 ng/mL
Dicyclomine	LC/TOF-MS	100 ng/mL
Dihydrocodeine / Hydrocodol	LC/TOF-MS	10 ng/mL
Diltiazem	LC/TOF-MS	100 ng/mL
Diphenhydramine	LC/TOF-MS	50 ng/mL
Donepezil	LC/TOF-MS	10 ng/mL
Doxepin	LC/TOF-MS	25 ng/mL
Doxylamine	LC/TOF-MS	100 ng/mL
Duloxetine	LC/TOF-MS	100 ng/mL
EDDP	LC/TOF-MS	50 ng/mL
Ephedrine	LC/TOF-MS	250 ng/mL
Eszopiclone / Zopiclone	LC/TOF-MS	10 ng/mL
Ethanol	Headspace GC	10 mg/dL
Etizolam	LC/TOF-MS	2.0 ng/mL
Fentanyl	LC/TOF-MS	1.0 ng/mL
Flualprazolam	LC/TOF-MS	2.0 ng/mL
Flubromazepam	LC/TOF-MS	20 ng/mL
Flubromazolam	LC/TOF-MS	5.0 ng/mL
Flunitrazepam	LC/TOF-MS	5.0 ng/mL
Fluoxetine	LC/TOF-MS	50 ng/mL
Gabapentin	ELISA	5.0 mcg/mL
Guaifenesin	LC/TOF-MS	5.0 mcg/mL
Haloperidol	LC/TOF-MS	10 ng/mL
Hydrocodone	LC/TOF-MS	10 ng/mL
Hydromorphone	LC/TOF-MS	2.0 ng/mL
Hydroxybupropion	LC/TOF-MS	100 ng/mL
Hydroxyzine	LC/TOF-MS	25 ng/mL
Imipramine	LC/TOF-MS	25 ng/mL
Isopropanol	Headspace GC	5.0 mg/dL
Ketamine	LC/TOF-MS	10 ng/mL
LSD	LC/TOF-MS	2.0 ng/mL
Lacosamide	LC/TOF-MS	1.0 mcg/mL
Lamotrigine	LC/TOF-MS	0.2 mcg/mL
Levamisole	LC/TOF-MS	0.25 mcg/mL
Levetiracetam	LC/TOF-MS	5.0 mcg/mL
Lidocaine	LC/TOF-MS	0.2 mcg/mL
Loperamide	LC/TOF-MS	5.0 ng/mL
Lorazepam	LC/TOF-MS	5.0 ng/mL
MDA	LC/TOF-MS	10 ng/mL
MDMA	LC/TOF-MS	10 ng/mL
Memantine	LC/TOF-MS	10 ng/mL

8052B Postmortem, Expanded, Blood (Forensic)

* Reporting Limit not adjusted for dilutions, homogenates, etc.

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Screen Analyte	Method	Reporting Limit*
Meprobamate	LC/TOF-MS	1.0 mcg/mL
Mescaline	LC/TOF-MS	0.01 mcg/mL
Methadone	LC/TOF-MS	50 ng/mL
Methamphetamine	LC/TOF-MS	10 ng/mL
Methanol	Headspace GC	10 mg/dL
Methocarbamol	LC/TOF-MS	5.0 mcg/mL
Methylphenidate	LC/TOF-MS	10 ng/mL
Metoprolol	LC/TOF-MS	20 ng/mL
Midazolam	LC/TOF-MS	5.0 ng/mL
Mirtazapine	LC/TOF-MS	25 ng/mL
Mitragynine	LC/TOF-MS	10 ng/mL
Morphine	LC/TOF-MS	10 ng/mL
Naloxone	LC/TOF-MS	1.0 ng/mL
Naltrexone	LC/TOF-MS	1.0 ng/mL
Naproxen	LC/TOF-MS	50 mcg/mL
Nicotine	LC/TOF-MS	100 ng/mL
Norbuprenorphine	LC/TOF-MS	2.0 ng/mL
Norclozapine	LC/TOF-MS	25 ng/mL
Nordiazepam	LC/TOF-MS	20 ng/mL
Norfentanyl	LC/TOF-MS	1.0 ng/mL
Norflunitrazepam	LC/TOF-MS	20 ng/mL
Norfluoxetine	LC/TOF-MS	100 ng/mL
Norketamine	LC/TOF-MS	20 ng/mL
Norpseudoephedrine	LC/TOF-MS	250 ng/mL
Nortriptyline	LC/TOF-MS	50 ng/mL
O-Desmethyiltramadol	LC/TOF-MS	25 ng/mL
O-Desmethylvenlafaxine	LC/TOF-MS	50 ng/mL
Olanzapine	LC/TOF-MS	5.0 ng/mL
Oxazepam	LC/TOF-MS	20 ng/mL
Oxycodone	LC/TOF-MS	10 ng/mL
Oxymorphone	LC/TOF-MS	2.0 ng/mL
Paroxetine	LC/TOF-MS	20 ng/mL
Phencyclidine	LC/TOF-MS	5.0 ng/mL
Phentermine	LC/TOF-MS	50 ng/mL
Phenylpropanolamine	LC/TOF-MS	250 ng/mL
Phenytoin	LC/TOF-MS	1.0 mcg/mL
Primidone	LC/TOF-MS	2.5 mcg/mL
Prochlorperazine	LC/TOF-MS	10 ng/mL
Promethazine	LC/TOF-MS	5.0 ng/mL
Pseudoephedrine	LC/TOF-MS	250 ng/mL
Psilocin	LC/TOF-MS	10 ng/mL
Quetiapine	LC/TOF-MS	100 ng/mL
Quinine	LC/TOF-MS	200 ng/mL
Risperidone	LC/TOF-MS	5.0 ng/mL
Salicylates	ELISA	120 mcg/mL
Scope Statement	LC/TOF-MS	
Sertraline	LC/TOF-MS	10 ng/mL
Sildenafil	LC/TOF-MS	50 ng/mL
Strychnine	LC/TOF-MS	10 ng/mL
Sufentanil	LC/TOF-MS	1.0 ng/mL
Tadalafil	LC/TOF-MS	50 ng/mL
Tapentadol	LC/TOF-MS	10 ng/mL
Temazepam	LC/TOF-MS	20 ng/mL

8052B Postmortem, Expanded, Blood (Forensic)

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Screen Analyte	Method	Reporting Limit*
Tetrahydrozoline	LC/TOF-MS	1.0 ng/mL
Topiramate	LC/TOF-MS	500 ng/mL
Tramadol	LC/TOF-MS	20 ng/mL
Trazodone	LC/TOF-MS	0.1 mcg/mL
Venlafaxine	LC/TOF-MS	50 ng/mL
Verapamil	LC/TOF-MS	20 ng/mL
Warfarin	LC/TOF-MS	0.25 mcg/mL
Xylazine	LC/TOF-MS	5.0 ng/mL
Ziprasidone	LC/TOF-MS	10 ng/mL
Zolpidem	LC/TOF-MS	10 ng/mL
Zonisamide	LC/TOF-MS	0.25 mcg/mL
mCPP	LC/TOF-MS	0.05 mcg/mL
para-Fluorofentanyl	LC/TOF-MS	2.0 ng/mL

Drug Trend Analysis and Surveillance Library

NMS Labs has a specialized team of experts focused on tracking evolving Novel Psychoactive Substances (NPS) trends, identifying novel and emerging drugs and anticipating the most prevalent new substances. Using a broad range of resources including the latest medical and scientific literature, collaboration with the Center for Forensic Science Research and Education (CFSRE), data from our forensic drug chemistry casework and monitoring chatter from on-line drug user networks, the mission of this team is to listen, anticipate and proactively provide the latest in analytical testing options for our customers. Ensuring responsiveness to the needs of public safety and public health clients with innovative solutions is a top priority. With this dedicated approach to identifying NPS compounds, the scope of compounds is dynamic and changes over time.

All samples tested on our LC/TOF-MS are evaluated by toxicologists using an internally developed analytical library specific to emerging NPS compounds and other esoteric compounds. We call this supplemental library of NPS and esoteric compounds the NMS Labs Surveillance Library.

As of 10/28/24, the NMS Labs Surveillance Library includes:

Expanded Panel Test Codes (ex. 8052B)

- Expanded Panel surveillance findings require client approval for confirmation and payment of the requisite fee.
- In situations where an additional charge for confirming a surveillance finding is required, the client will be notified and may consult with our Toxicology staff on the most appropriate approach given the case history and options available.

Expanded Panel Surveillance Compounds: 2-Furanylfentanyl, 2-Methyl AP-237, 3-hydroxy-PCP, 3-MeO-PCP, 3-Fluorophenmetrazine, Acrylfentanyl, alpha-PHP/alpha-PiHP, alpha-PVP, Amoxapine, AP-238, Benzotropine, Bropheniramine, Brorphine, Bromazolam, Butylone, Butyrlfentanyl, Chloroquine, cis-3 Methylfentanyl, Cyclopropylfentanyl, Delorazepam, Deschloroetizolam, Diclazepam, Ethylone, Eutylone, Flecaïnide, Flualprazolam, Fluphenazine, Flurazepam, Fluvoxamine, Hydroxychloroquine, Hydroxyethylflurazepam, Hydroxytriazolam, Isotonitazene / Protonitazene, MDEA, Meclonazepam, Meperidine, Mesoridazine, Metaxolone, Methaqualone, Metonitazene, N-desethyl Isotonitazene, N-ethyl Pentylone, N,N-Dimethylpentylone, N-pyrrolidino Etonitazene, N-pyrrolidino Protonitazene, Normeperidine, Norpropoxyphene, para-Fluoroisobutyrylfentanyl, Pentylone, Perphenazine, Phenacetin, Phenazepam, Pheniramine, Propoxyphene, Pyrazolam, Quinidine, Tianeptide, Tizanidine, Theophylline, Thioridazine, trans-3-Methylfentanyl, Trifluoperazine, Trimipramine, Tripolidine, Vardenafil, Yohimbine, Zaleplon

8052B Postmortem, Expanded, Blood (Forensic)

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Confirmation Analytes

8052B Postmortem, Expanded, Blood (Forensic)

Effective Date:10/28/2024

Alphabetical List of Confirmation Analytes

Confirmation Analyte	Method	Reporting Limit*	Analyte Class	Screen Method
10-Hydroxycarbazepine	LC-MS/MS	0.5 mcg/mL	Oxcarbazepine/Eslicarbazepine Acetate as Metabolite	LC/TOF-MS
11-Hydroxy Delta-9 THC	LC-MS/MS	1.0 ng/mL	Cannabinoids	ELISA
4-ANPP	LC-MS/MS	0.2 ng/mL	Fentanyl and 4-ANPP	LC/TOF-MS
6-Beta-Naltrexol - Free	LC-MS/MS	0.5 ng/mL	Naltrexone and Metabolite - Free (Unconjugated)	LC/TOF-MS
6-Monoacetylmorphine - Free	LC-MS/MS	1.0 ng/mL	Opiates - Free (Unconjugated)	LC/TOF-MS
7-Amino Clonazepam	LC-MS/MS	5.0 ng/mL	Benzodiazepines	LC/TOF-MS
7-Amino Flunitrazepam	LC-MS/MS	2.0 ng/mL	Flunitrazepam and Metabolites	LC/TOF-MS
8-Aminoclonazepam	LC-MS/MS	2.0 ng/mL	Designer Benzodiazepines	LC/TOF-MS
9-Hydroxyrisperidone	LC-MS/MS	1.0 ng/mL	Risperidone and Metabolite	LC/TOF-MS
Acetaminophen	LC-MS/MS	0.5 mcg/mL	Acetaminophen	LC/TOF-MS
Acetone	Headspace GC	5.0 mg/dL	Alcohols and Acetone	Headspace GC
Acetyl Fentanyl	LC-MS/MS	0.2 ng/mL	Fentanyl and 4-ANPP	LC/TOF-MS
Alfentanil	LC-MS/MS	0.1 ng/mL	Alfentanil and Sufentanil	LC/TOF-MS
Alpha-Hydroxyalprazolam	LC-MS/MS	5.0 ng/mL	Benzodiazepines	LC/TOF-MS
Alpha-Hydroxyetizolam	LC-MS/MS	2.0 ng/mL	Designer Benzodiazepines	LC/TOF-MS
Alprazolam	LC-MS/MS	5.0 ng/mL	Benzodiazepines	LC/TOF-MS
Amitriptyline	GC	20 ng/mL	Amitriptyline and Metabolite	LC/TOF-MS
Amphetamine	LC-MS/MS	5.0 ng/mL	Amphetamines	LC/TOF-MS
Aripiprazole	LC-MS/MS	20 ng/mL	Aripiprazole	LC/TOF-MS
Atomoxetine	GC/MS	20 ng/mL	Atomoxetine	LC/TOF-MS
Benzoylcegonine	LC-MS/MS	50 ng/mL	Cocaine and Metabolites	LC/TOF-MS
Bromazepam	LC-MS/MS	5.0 ng/mL	Designer Benzodiazepines	LC/TOF-MS
Buprenorphine - Free	LC-MS/MS	0.5 ng/mL	Buprenorphine and Metabolite - Free (Unconjugated)	LC/TOF-MS
Bupropion	LC-MS/MS	10 ng/mL	Bupropion and Metabolite	LC/TOF-MS
Buspirone	LC-MS/MS	0.5 ng/mL	Buspirone	LC/TOF-MS
Butalbital	GC/MS	0.2 mcg/mL	Barbiturates	ELISA
Carbamazepine	LC-MS/MS	0.2 mcg/mL	Carbamazepine and Metabolite	LC/TOF-MS

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Confirmation Analyte	Method	Reporting Limit*	Analyte Class	Screen Method
Carbamazepine-10,11-Epoxyde	LC-MS/MS	0.2 mcg/mL	Carbamazepine and Metabolite	LC/TOF-MS
Carfentanil	LC-MS/MS	0.05 ng/mL	Carfentanil	LC/TOF-MS
Carisoprodol	GC/MS	0.2 mcg/mL	Carisoprodol and Metabolite	LC/TOF-MS
Chlordiazepoxide	LC-MS/MS	20 ng/mL	Benzodiazepines	LC/TOF-MS
Chlorpheniramine	LC-MS/MS	10 ng/mL	Chlorpheniramine	LC/TOF-MS
Chlorpromazine	GC	20 ng/mL	Chlorpromazine	LC/TOF-MS
Citalopram / Escitalopram	LC-MS/MS	5.0 ng/mL	Citalopram	LC/TOF-MS
Clobazam	LC-MS/MS	20 ng/mL	Benzodiazepines	LC/TOF-MS
Clomipramine	GC	20 ng/mL	Clomipramine and Metabolite	LC/TOF-MS
Clonazepam	LC-MS/MS	2.0 ng/mL	Benzodiazepines	LC/TOF-MS
Clonazolam	LC-MS/MS	2.0 ng/mL	Designer Benzodiazepines	LC/TOF-MS
Clonidine	LC-MS/MS	0.1 ng/mL	Clonidine	LC/TOF-MS
Clozapine	LC-MS/MS	20 ng/mL	Clozapine and Metabolite	LC/TOF-MS
Cocaethylene	LC-MS/MS	10 ng/mL	Cocaine and Metabolites	LC/TOF-MS
Cocaine	LC-MS/MS	10 ng/mL	Cocaine and Metabolites	LC/TOF-MS
Codeine - Free	LC-MS/MS	5.0 ng/mL	Opiates - Free (Unconjugated)	LC/TOF-MS
Cyclobenzaprine	LC-MS/MS	1.0 ng/mL	Cyclobenzaprine	LC/TOF-MS
Delta-9 Carboxy THC	LC-MS/MS	5.0 ng/mL	Cannabinoids	ELISA
Delta-9 THC	LC-MS/MS	0.5 ng/mL	Cannabinoids	ELISA
Desipramine	GC	20 ng/mL	Imipramine and Metabolite	LC/TOF-MS
Desmethylclomipramine	GC	20 ng/mL	Clomipramine and Metabolite	LC/TOF-MS
Desmethyldoxepin	GC	20 ng/mL	Doxepin and Metabolite	LC/TOF-MS
Desmethyloperamide	LC-MS/MS	5.0 ng/mL	Loperamide and Metabolite	LC/TOF-MS
Desmethylsertraline	LC-MS/MS	20 ng/mL	Sertraline and Desmethylsertraline	LC/TOF-MS
Dextro / Levo Methorphan	LC-MS/MS	5.0 ng/mL	D/L Methorphan, Dextrorphan & Levorphanol	LC/TOF-MS
Dextrorphan / Levorphanol	LC-MS/MS	2.0 ng/mL	D/L Methorphan, Dextrorphan & Levorphanol	LC/TOF-MS
Diazepam	LC-MS/MS	20 ng/mL	Benzodiazepines	LC/TOF-MS
Dicyclomine	LC-MS/MS	1.0 ng/mL	Dicyclomine	LC/TOF-MS
Dihydrocodeine / Hydrocodol - Free	LC-MS/MS	5.0 ng/mL	Opiates - Free (Unconjugated)	LC/TOF-MS
Diltiazem	LC-MS/MS	5.0 ng/mL	Diltiazem	LC/TOF-MS
Diphenhydramine	LC-MS/MS	50 ng/mL	Diphenhydramine	LC/TOF-MS
Donepezil	LC-MS/MS	5.0 ng/mL	Donepezil	LC/TOF-MS
Doxepin	GC	20 ng/mL	Doxepin and Metabolite	LC/TOF-MS
Doxylamine	GC	100 ng/mL	Doxylamine	LC/TOF-MS
Duloxetine	LC-MS/MS	30 ng/mL	Duloxetine	LC/TOF-MS
EDDP	LC-MS/MS	20 ng/mL	Methadone and Metabolite	LC/TOF-MS
Ecgonine Methyl Ester	LC-MS/MS	50 ng/mL	Cocaine and Metabolites	LC/TOF-MS

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Confirmation Analyte	Method	Reporting Limit*	Analyte Class	Screen Method
Ephedrine	LC-MS/MS	5.0 ng/mL	Amphetamines	LC/TOF-MS
Eszopiclone / Zopiclone	LC-MS/MS	2.0 ng/mL	Eszopiclone / Zopiclone	LC/TOF-MS
Ethanol	Headspace GC	10 mg/dL	Alcohols and Acetone	Headspace GC
Etizolam	LC-MS/MS	2.0 ng/mL	Designer Benzodiazepines	LC/TOF-MS
Fentanyl	LC-MS/MS	1.0 ng/mL	Fentanyl and 4-ANPP	LC/TOF-MS
Flualprazolam	LC-MS/MS	2.0 ng/mL	Designer Benzodiazepines	LC/TOF-MS
Flubromazepam	LC-MS/MS	20 ng/mL	Designer Benzodiazepines	LC/TOF-MS
Flubromazolam	LC-MS/MS	2.0 ng/mL	Designer Benzodiazepines	LC/TOF-MS
Flunitrazepam	LC-MS/MS	2.0 ng/mL	Flunitrazepam and Metabolites	LC/TOF-MS
Fluoxetine	GC/MS	20 ng/mL	Fluoxetine and Metabolite	LC/TOF-MS
Gabapentin	LC-MS/MS	1.0 mcg/mL	Gabapentin	ELISA
Guaifenesin	LC-MS/MS	0.2 mcg/mL	Methocarbamol and Guaifenesin	LC/TOF-MS
Haloperidol	LC-MS/MS	1.0 ng/mL	Haloperidol	LC/TOF-MS
Hydrocodone - Free	LC-MS/MS	5.0 ng/mL	Opiates - Free (Unconjugated)	LC/TOF-MS
Hydromorphone - Free	LC-MS/MS	1.0 ng/mL	Opiates - Free (Unconjugated)	LC/TOF-MS
Hydroxybupropion	LC-MS/MS	100 ng/mL	Bupropion and Metabolite	LC/TOF-MS
Hydroxyzine	LC-MS/MS	5.0 ng/mL	Hydroxyzine	LC/TOF-MS
Imipramine	GC	20 ng/mL	Imipramine and Metabolite	LC/TOF-MS
Isopropanol	Headspace GC	5.0 mg/dL	Alcohols and Acetone	Headspace GC
Ketamine	LC-MS/MS	20 ng/mL	Ketamine and Metabolite	LC/TOF-MS
LSD	LC-MS/MS	0.1 ng/mL	LSD	LC/TOF-MS
Lacosamide	LC-MS/MS	0.5 mcg/mL	Lacosamide	LC/TOF-MS
Lamotrigine	LC-MS/MS	0.2 mcg/mL	Lamotrigine	LC/TOF-MS
Levetiracetam	LC-MS/MS	1.0 mcg/mL	Levetiracetam	LC/TOF-MS
Loperamide	LC-MS/MS	5.0 ng/mL	Loperamide and Metabolite	LC/TOF-MS
Lorazepam	LC-MS/MS	5.0 ng/mL	Benzodiazepines	LC/TOF-MS
MDA	LC-MS/MS	5.0 ng/mL	Amphetamines	LC/TOF-MS
MDMA	LC-MS/MS	5.0 ng/mL	Amphetamines	LC/TOF-MS
Memantine	LC-MS/MS	10 ng/mL	Memantine	LC/TOF-MS
Meprobamate	GC/MS	1.0 mcg/mL	Carisoprodol and Metabolite	LC/TOF-MS
Mescaline	GC	0.04 mcg/mL	Mescaline	LC/TOF-MS
Methadone	LC-MS/MS	20 ng/mL	Methadone and Metabolite	LC/TOF-MS
Methamphetamine	LC-MS/MS	5.0 ng/mL	Amphetamines	LC/TOF-MS
Methanol	Headspace GC	10 mg/dL	Alcohols and Acetone	Headspace GC
Methocarbamol	LC-MS/MS	2.0 mcg/mL	Methocarbamol and Guaifenesin	LC/TOF-MS
Methylphenidate	LC-MS/MS	4.0 ng/mL	Methylphenidate and Metabolite	LC/TOF-MS
Midazolam	LC-MS/MS	5.0 ng/mL	Benzodiazepines	LC/TOF-MS
Mirtazapine	GC	10 ng/mL	Mirtazapine	LC/TOF-MS
Mitragynine	LC-MS/MS	5.0 ng/mL	Mitragynine	LC/TOF-MS

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Confirmation Analyte	Method	Reporting Limit*	Analyte Class	Screen Method
Morphine - Free	LC-MS/MS	5.0 ng/mL	Opiates - Free (Unconjugated)	LC/TOF-MS
N-Desmethylsildenafil	LC-MS/MS	2.0 ng/mL	Sildenafil and Metabolite	LC/TOF-MS
Naltrexone - Free	LC-MS/MS	0.5 ng/mL	Naltrexone and Metabolite - Free (Unconjugated)	LC/TOF-MS
Naproxen	LC-MS/MS	3.0 mcg/mL	Naproxen	LC/TOF-MS
Norbuprenorphine - Free	LC-MS/MS	0.5 ng/mL	Buprenorphine and Metabolite - Free (Unconjugated)	LC/TOF-MS
Norclozapine	LC-MS/MS	20 ng/mL	Clozapine and Metabolite	LC/TOF-MS
Nordiazepam	LC-MS/MS	20 ng/mL	Benzodiazepines	LC/TOF-MS
Norfentanyl	LC-MS/MS	0.4 ng/mL	Fentanyl and 4-ANPP	LC/TOF-MS
Norflunitrazepam	LC-MS/MS	2.0 ng/mL	Flunitrazepam and Metabolites	LC/TOF-MS
Norfluoxetine	GC/MS	20 ng/mL	Fluoxetine and Metabolite	LC/TOF-MS
Norketamine	LC-MS/MS	20 ng/mL	Ketamine and Metabolite	LC/TOF-MS
Norpseudoephedrine	LC-MS/MS	5.0 ng/mL	Amphetamines	LC/TOF-MS
Nortriptyline	GC	20 ng/mL	Amitriptyline and Metabolite	LC/TOF-MS
O-Desmethyltramadol	LC-MS/MS	20 ng/mL	Tramadol and Metabolite	LC/TOF-MS
O-Desmethylvenlafaxine	LC-MS/MS	20 ng/mL	Venlafaxine and Metabolite	LC/TOF-MS
Olanzapine	LC-MS/MS	3.0 ng/mL	Olanzapine	LC/TOF-MS
Oxazepam	LC-MS/MS	20 ng/mL	Benzodiazepines	LC/TOF-MS
Oxycodone - Free	LC-MS/MS	5.0 ng/mL	Opiates - Free (Unconjugated)	LC/TOF-MS
Oxymorphone - Free	LC-MS/MS	1.0 ng/mL	Opiates - Free (Unconjugated)	LC/TOF-MS
Paroxetine	LC-MS/MS	10 ng/mL	Paroxetine	LC/TOF-MS
Pentobarbital	GC/MS	0.2 mcg/mL	Barbiturates	ELISA
Phencyclidine	LC-MS/MS	5.0 ng/mL	Phencyclidine	LC/TOF-MS
Phenobarbital	GC/MS	0.5 mcg/mL	Barbiturates	ELISA
Phentermine	LC-MS/MS	5.0 ng/mL	Amphetamines	LC/TOF-MS
Phenylethylmalonamide (PEMA)	LC-MS/MS	0.5 mcg/mL	Primidone and PEMA	LC/TOF-MS
Phenylpropanolamine	LC-MS/MS	20 ng/mL	Amphetamines	LC/TOF-MS
Phenytoin	LC-MS/MS	0.5 mcg/mL	Phenytoin	LC/TOF-MS
Primidone	LC-MS/MS	0.5 mcg/mL	Primidone and PEMA	LC/TOF-MS
Prochlorperazine	LC-MS/MS	1.0 ng/mL	Prochlorperazine	LC/TOF-MS
Promethazine	LC-MS/MS	5.0 ng/mL	Promethazine	LC/TOF-MS
Pseudoephedrine	LC-MS/MS	5.0 ng/mL	Amphetamines	LC/TOF-MS
Psilocin	LC-MS/MS	10 ng/mL	Psilocin	LC/TOF-MS
Quetiapine	LC-MS/MS	50 ng/mL	Quetiapine	LC/TOF-MS
Risperidone	LC-MS/MS	1.0 ng/mL	Risperidone and Metabolite	LC/TOF-MS
Ritalinic Acid	LC-MS/MS	20 ng/mL	Methylphenidate and Metabolite	LC/TOF-MS
Salicylate	LC-MS/MS	5.0 mcg/mL	Salicylate	ELISA
Secobarbital	GC/MS	0.2 mcg/mL	Barbiturates	ELISA

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Confirmation Analyte	Method	Reporting Limit*	Analyte Class	Screen Method
Sertraline	LC-MS/MS	10 ng/mL	Sertraline and Desmethylsertraline	LC/TOF-MS
Sildenafil	LC-MS/MS	2.0 ng/mL	Sildenafil and Metabolite	LC/TOF-MS
Strychnine	LC-MS/MS	5.0 ng/mL	Strychnine	LC/TOF-MS
Sufentanil	LC-MS/MS	0.1 ng/mL	Alfentanil and Sufentanil	LC/TOF-MS
Tadalafil	LC-MS/MS	10 ng/mL	Tadalafil	LC/TOF-MS
Tapentadol - Free	LC-MS/MS	5.0 ng/mL	Tapentadol - Free	LC/TOF-MS
Temazepam	LC-MS/MS	20 ng/mL	Benzodiazepines	LC/TOF-MS
Tetrahydrozoline	LC-MS/MS	0.1 ng/mL	Tetrahydrozoline	LC/TOF-MS
Topiramate	LC-MS/MS	200 ng/mL	Topiramate	LC/TOF-MS
Tramadol	LC-MS/MS	20 ng/mL	Tramadol and Metabolite	LC/TOF-MS
Trazodone	LC-MS/MS	0.05 mcg/mL	Trazodone and mCPP	LC/TOF-MS
Venlafaxine	LC-MS/MS	20 ng/mL	Venlafaxine and Metabolite	LC/TOF-MS
Verapamil	GC	20 ng/mL	Verapamil	LC/TOF-MS
Warfarin	LC-MS/MS	0.2 mcg/mL	Warfarin	LC/TOF-MS
Xylazine	LC-MS/MS	5.0 ng/mL	Xylazine	LC/TOF-MS
Ziprasidone	LC-MS/MS	2.0 ng/mL	Ziprasidone	LC/TOF-MS
Zolpidem	LC-MS/MS	4.0 ng/mL	Zolpidem	LC/TOF-MS
Zonisamide	LC-MS/MS	0.5 mcg/mL	Zonisamide	LC/TOF-MS
mCPP	LC-MS/MS	0.05 mcg/mL	Trazodone and mCPP	LC/TOF-MS
para-Fluorofentanyl	LC-MS/MS	0.05 ng/mL	para-Fluorofentanyl	LC/TOF-MS

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Postmortem Toxicology

Choose Excellence

Fast and Comprehensive Postmortem Services



Numerous tests to fit your needs



Thought leaders in forensic toxicology



Fast turnaround times



Exhaustive panels to identify compounds beyond the scope of other labs



Use our online portal for easy ordering



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Accuracy and dependability with our state-of-the-art instrumentation



Access to toxicology experts




Postmortem Toxicology Portfolio



Get the information you need with extensive panels and access to the expertise of our toxicologists with timely results






Dedicated processes to continuously monitor and update testing panels to include the most prevalent, newly emerging drugs that have the potential for misuse

		
Basic	Expanded	NMS TotalTox™
Panel: 8051B	Panel: 8052B	Panel: 8054B
Commonly Abused Prescription Drugs <ul style="list-style-type: none">Commonly abused illicit drugsAlcohol	Basic Panel Compounds <ul style="list-style-type: none">Prevalent designer drugsExpanded coverage of Rx and illicit drugsAllows for active surveillance of Novel Psychoactive Substances (NPS)	Expanded Panel Compounds <ul style="list-style-type: none">Emerging NPS compounds:Designer benzodiazepinesDesigner hallucinogens/stimulantsDesigner opioids



When Should I Order Each Panel?*

		
Basic	Expanded	NMS TotalTox
<ul style="list-style-type: none">• Clear cause of death indicated from:<ul style="list-style-type: none">- Case history- Autopsy- Scene investigation	<ul style="list-style-type: none">• Suspected polypharmacy overdoses• Pediatric cases• Prescription/OTC drug involvement• Suspected adulterants/cutting agents (ex. levamisole, xylazine)	<ul style="list-style-type: none">• High-profile cases• Undetermined cause of death• In-custody or law enforcement-involved cases• Regional surge of NPS• Public health surveillance

The NMS TotalTox Panel offers automatic confirmation for all tested NPS compounds, a faster turnaround time, and a lower list price than the Expanded Panel with an add-on test which has confirmation for one NPS compound.

*Many specialty panels available: carbon monoxide, alcoholic ketoacidosis, prescription drugs, metals, among others.

Why Choose Us?



Trends in drug use are continually changing with emergence of synthetic drugs, contamination of the drug supply with toxic adulterants, such as xylazine, and abuse of prescribed and over-the-counter medications.

NMS Labs can give you access to the testing of the latest NPS with the newest instrumentation.



NMS Labs has numerous accreditations and licensures. It is a scientific leader in toxicology with numerous presentations at toxicology events around the globe and peer-reviewed articles in top scientific journals.

NMS Labs contributes to advancing public safety through its non-profit business, The Center for Forensic Science Research and Education.

For more information, visit NMSlabs.com, call Forensic Support at [866.522.2216](tel:866.522.2216) or email Forensics@NMSlabs.com.



Contact

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www.NMSlabs.com



Evolving Novel Psychoactive Substances

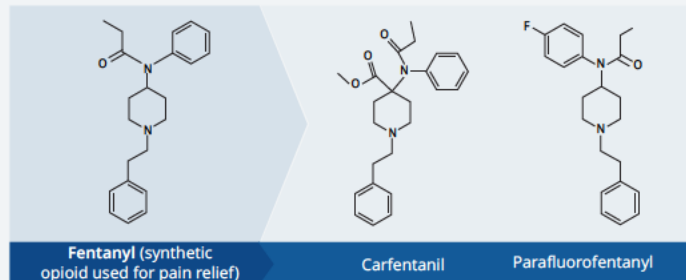
How NMS Labs keeps you up to date with the rapidly changing drug marketplace



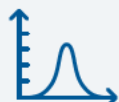
What are Novel Psychoactive Substances (NPS)?

- New narcotic or psychotropic drugs in a pure or modified form, which have emerged over recent months
- Often more potent than their previous analogs
- Can be a threat to public health and safety

Analogues



Challenges in NPS identification and testing



Rapid emergence and a sharp decline in use after achieving a scheduled status by the DEA



Sporadic occurrence and region-specific prevalence



Limited time for developing tests that can identify subtle changes in the structure of newly modified NPS analogs



Frequently not included in standard drug testing panels with limited scope

The role of NMS Labs in detecting NPS

NMS Labs

Conducts the surveillance and detection of NPS based on information acquired from forensic cases

Contributes to public health and safety by providing customers with the latest information

+

CFSRE*

CFSRE is a world-leading research laboratory that works closely with numerous organizations on global drug detection early warning systems. It works in partnership with NMS Labs to identify NPS that need additional focus before being added to the NMS TotalTox panel

Insights

- New drug characterization
- Test development
- Monitoring yet-to-be-identified NPS
- Drug trend reports
- Scope recommendations



*The Center for Forensic Science Research and Education

Factors that determine which NPS should be added to or removed from the NMS TotalTox™ panel:

Individually or in combination



Prevalence



Threat



Duration



Regional occurrence

Added to the NMS TotalTox panel

Which are then continuously monitored and can be removed if usage drops to negligible levels

The intelligent design of our panels allows us to provide you with panels that are most relevant to current drug trends

Panel that reflects current drug trends and usage

NMS TotalTox panel (8054B)

Most comprehensive and dynamically updated postmortem toxicology panel

Tests for emerging NPS compounds such as:

- Designer opioids
- Designer benzodiazepines
- Designer hallucinogens/stimulants

Advantage: Automatic confirmations for NPS compounds included in the panel

How does NMS Labs stay up to date with emerging NPS?



Works in partnership with CFSRE and international collaborators to identify NPS that need additional focus before being added to the NMS TotalTox panel

Initial trend reports of NPS identified in the United States through the analysis of seized drug materials and/or biological samples, and additional sources which help us compile information for:

- New substances in submitted cases
- Latest emerging drugs to help support public health and public safety



Our forensic toxicologists and the NPS Discovery partners at CFSRE are highly trained and conduct ongoing surveillance of drug markets and patterns that:

- Are thorough and rigorous to ensure the highest accuracy in identifying new compounds
- Are curated to keep pace with the dynamically changing drug trends to identify which drugs will be added/removed from the NMS TotalTox panel
- Screen cases using a supplemental surveillance data library to identify and track the prevalence of drugs of interest

[Click here for the latest NPS drug trend reports from CFSRE](#)

Monitoring NPS of interest

NMS Labs continuously adds new NPS compounds to our data library

If drug prevalence reaches target thresholds

NMS Labs determines
if test development is appropriate

If yes

Proceed with test development for routine testing

If no

Continue monitoring in the data surveillance library

Why choose NMS
TotalTox panel from
NMS Labs for NPS
identification?

- ☒ Adaptable to changing trends in NPS prevalence
- ☒ Access to data surveillance network
- ☒ Strategic and well-planned test development process
- ☒ Tests for NPS compounds known to be emerging in death investigation
- ☒ Repeatable, reliable, and consistent



www.NMSlabs.com



NMS Labs

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Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

Demo Report

Report Issued 04/08/2024 08:42

To: 88888

Forensic Example Report
Attn: Example Reports
200 Welsh Road
Horsham, PA 19044

Patient Name 8052B-POS

Patient ID 8052B-POS

Chain 14327

DOB Not Given

Sex Not Given

Workorder 24000149

Page 1 of 6

Positive Findings:

Analyte	Result	Units	Matrix Source
Ethanol	85	mg/dL	001 - Blood
Blood Alcohol Concentration (BAC)	0.085	g/100 mL	001 - Blood
Cocaine	50	ng/mL	001 - Blood
Morphine - Free	50	ng/mL	001 - Blood
6-Monoacetylmorphine - Free	5.0	ng/mL	001 - Blood
Gabapentin	10	mcg/mL	001 - Blood
Delta-9 THC	5.0	ng/mL	001 - Blood
Fentanyl	10	ng/mL	001 - Blood
Alprazolam	50	ng/mL	001 - Blood

See Detailed Findings section for additional information

Testing Requested:

Test	Test Name
8052B	Postmortem, Expanded, Blood (Forensic)

Specimens Received:

ID	Tube/Container	Volume/ Mass	Collection Date/Time	Matrix Source	Labeled As
001	Black Cap Glass Container	Not Given	Not Given	Blood	Not Applicable

All sample volumes/weights are approximations.

Specimens received on 01/30/2024.

Detailed Findings:

Analysis and Comments	Result	Units	Rpt. Limit	Specimen Source	Analysis By
Ethanol	85	mg/dL	10	001 - Blood	Headspace GC
Blood Alcohol Concentration (BAC)	0.085	g/100 mL	0.010	001 - Blood	Headspace GC
Cocaine	50	ng/mL	10	001 - Blood	LC-MS/MS
Morphine - Free	50	ng/mL	5.0	001 - Blood	LC-MS/MS
6-Monoacetylmorphine - Free	5.0	ng/mL	1.0	001 - Blood	LC-MS/MS
Gabapentin	10	mcg/mL	1.0	001 - Blood	LC-MS/MS
Delta-9 THC	5.0	ng/mL	0.50	001 - Blood	LC-MS/MS
Ethanol	Confirmed	mg/dL	10	001 - Blood	Headspace GC
Fentanyl	10	ng/mL	1.0	001 - Blood	LC-MS/MS
Alprazolam	50	ng/mL	5.0	001 - Blood	LC-MS/MS

Other than the above findings, examination of the specimen(s) submitted did not reveal any positive findings of toxicological significance by procedures outlined in the accompanying Analysis Summary.

Reference Comments:

1. 6-Monoacetylmorphine - Free (6-MAM; Heroin Metabolite) - Blood:

6-monoacetylmorphine (6-MAM) is the 6-monoacetylated form of morphine, which is pharmacologically active. When present, it is generally indicative of heroin (diacetylmorphine) use. 6-MAM has also been reported to occur as an artifact in samples with unusually high blood morphine concentrations.

A healthy man administered 12 mg heroin intravenously achieved peak blood concentrations at two minutes post injection of 150 ng/mL of 6-MAM and 44 ng/mL of morphine, which declined with half-lives of 7 minutes and 33 minutes, respectively.

Eight subjects who died within fifteen minutes of heroin administration had postmortem blood 6-MAM concentrations averaging 19 ng/mL with a range from less than 1.0 to 82 ng/mL.

2. Alprazolam (Xanax®) - Blood:

Alprazolam is a low-dose benzodiazepine used for the treatment of anxiety disorders and short-term relief of anxiety associated with depressive symptoms. Alpha-hydroxyalprazolam is an active metabolite of alprazolam. They share the actions and adverse reactions of other CNS-depressants. Common adverse effects of alprazolam include drowsiness and fatigue.

Reported therapeutic plasma concentrations of alprazolam are proportional to dose given: 3 mg/day produced steady-state levels of 30 ng/mL; 6 mg/day, 60 ng/mL; and 9 mg/day, 100 ng/mL.

In reported cases involving driving under the influence, alprazolam concentrations ranged from 8 - 640 ng/mL. Alcohol greatly enhances the activity of benzodiazepines.

Reported blood concentrations of alprazolam in alprazolam-related fatalities ranged from 100 - 400 ng/mL (mean, 200 ng/mL). In combination with other central nervous system depressants such as ethyl alcohol, alprazolam can become toxic at low concentrations.

Reference Comments:

3. Cocaine - Blood:

Cocaine is a DEA Schedule II controlled central nervous stimulant drug. Effects following cocaine use can include euphoria, excitement, restlessness, risk taking, sleep disturbance, and aggression. A period of mental and physical fatigue and somnolence follow the use of cocaine after the excitant-stimulant effects wear off. Cocaine is metabolized to the inactive analytes benzoylecgonine, ecgonine methyl ester, and ecgonine. Benzoylecgonine and ecgonine methyl ester can form from cocaine breakdown after death and even after sample collection. The average blood cocaine concentration in 906 impaired drivers was 87 ng/mL (range 5-2390 ng/mL). Blood cocaine concentrations in patients admitted to an emergency room for cocaine related medical complaints were 260 ng/mL (SD = 500 ng/mL). Cocaine concentrations in plasma following oral administration of 2 g/day over 6 days, averaged 1260 ng/mL. The average blood cocaine concentration in 37 cocaine related fatalities was 4600 ng/mL (range 40-31000 ng/mL).

4. Delta-9 THC (Active Ingredient of Marijuana) - Blood:

Delta-9 THC is the principle psychoactive ingredient of marijuana (cannabis, hashish). It is also the active component of the prescription medication Marinol®. Marijuana use causes relaxation, distorted perception, euphoria and feelings of well being, along with confusion, dizziness, somnolence, ataxia, speech difficulties, lethargy and muscular weakness.

After smoking a user-preferred 300 mcg/kg dose average plasma THC concentrations at 35 minutes were reported at 16.1 (range 4.7-30.9) ng/mL, and had declined to 1.5 (range 0.4-3.2) ng/mL after 190 minutes. Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 50-270 ng/mL at 6 to 9 minutes after beginning smoking, decreasing to less than 5 ng/mL by 2 hrs. Whole blood THC concentrations are typically half those in a corresponding plasma sample.

5. Ethanol (Ethyl Alcohol) - Blood:

Ethyl alcohol (ethanol, drinking alcohol) is a central nervous system depressant and can cause effects such as impaired judgment, reduced alertness and impaired muscular coordination. Ethanol can also be a product of decomposition or degradation of biological samples.

6. Fentanyl (Duragesic®; Sublimaze®) - Blood:

Fentanyl is a prescription opioid commonly used as an anesthetic/analgesic. It is reported to be 80 to 200 times as potent as morphine and has a rapid onset of action as well as addictive properties. Illicit fentanyl is readily available due to low production cost and its high potency. It is often sold as heroin and is commonly found in combination with other illicit drugs. Signs associated with fentanyl toxicity include severe respiratory depression, muscle rigidity, seizures, hypotension, coma and death.

When used clinically as a transdermal preparation (25-100 mcg/hour patch), serum fentanyl concentrations up to 3.8 ng/mL have been reported within 24 hours. Following removal of the patch, serum fentanyl concentrations are reported to decrease with a mean elimination half-life of 17 hours (range, 13-22 hours). The mean peak plasma serum fentanyl concentration in adults given an 800 mcg oral transmucosal fentanyl preparation over 15 minutes is reported at 2.1 ng/mL (range, 1.4-3.0 ng/mL) at approximately 0.40 hours.

It is reported that patients lost consciousness at mean plasma levels of fentanyl of 34 ng/mL when infused with 75 mcg/Kg over a 15 min period; peak plasma levels averaged 50 ng/mL. In fatalities from fentanyl, blood concentrations are variable and have been reported as low as 3 ng/mL. Postmortem blood fentanyl concentrations ranged from 0.30-110 ng/mL (median 11 ng/mL) in 301 femoral blood specimens obtained from accidental drug overdose death investigations. These concentrations ranged from 9.7-41.3 ng/mL (median 17.2 ng/mL) in 7 fentanyl only cases in another published case series.

The blood to plasma ratio for fentanyl is approximately 0.80-1.0.

7. Gabapentin (Neurontin®) - Blood:

Gabapentin is an antiepileptic/anticonvulsant drug used in adults and children. Gabapentin is marketed in capsules (100, 200 and 300 mg), tablets (600 and 800 mg) and an oral solution (250 mg/5 mL). The common daily oral dose range for adults is from 900 to 1800 mg per day in divided doses; pediatric doses (3 to 12 years of age) are dependent of the child's body weight and range from 10 to 15 mg/kg per day.

Mean steady-state plasma levels (+/- SD) following daily regimens of:
900 mg/day = 1.88 (+/- 0.70) mcg/mL
1200 mg/day = 2.62 (+/- 0.86) mcg/mL
Reported threshold for seizure control: Greater than 2 mcg/mL.

Reference Comments:

The drug is also used to treat postherpetic neuralgia in adults. The common adult dosage for this indication is 1800 mg per day in divided doses following lower doses during initial treatment.

The most common adverse effects of gabapentin are related to the central nervous system and include sedation, dizziness, nystagmus, ataxia and fatigue. All of these adverse effects are reversible and subside with reduction of dosage or discontinuation of therapy with the drug.

8. Morphine - Free (Codeine Metabolite) - Blood:

Morphine (Duramorph, Roxanol, MS-Contin) is a DEA Schedule II opiate narcotic analgesic. It can be a metabolite or breakdown product of codeine and heroin. If found together with 6-monoacetylmorphine (6-MAM), likely source is heroin. A large portion of the morphine may be conjugated; the portion not conjugated is termed 'free morphine', the active biologic agent which is a powerful painkilling drug whose diverse effects that may include analgesia, drowsiness, nausea and respiratory depression. Hydromorphone is a reported metabolite of morphine.

Morphine peak serum concentrations occur within 10 to 20 minutes of a 10 mg/70 kg intramuscular dose, average 60 ng/mL 30 minutes following administration. IV administration of 10 mg/70 kg, average 80 ng/mL after 30 minutes. Chronic pain patients receiving an average of 90 mg (range 20-1460) daily oral morphine had average serum concentrations of 73 ng/mL (range 13-710) morphine. In 15 cases where cause of death was attributed to opiate toxicity (heroin, morphine or both), free morphine concentrations were 0-3700 ng/mL (average 420 +/- 940). In comparison, in cases where COD was unrelated to opiates (n=20) free morphine was 0-850 ng/mL (average 90 +/- 200). The ratio of whole blood concentration to serum or plasma concentration is approximately one. In a population of 676 drivers arrested for driving under the influence, Morphine concentrations ranged from 1.25-1290 ng/mL, with an average of 52 ng/mL.

Following excessive opiate use, pupils are typically constricted and unreactive to light. Pulse and blood pressure, and body temperature can be lowered. Psychomotor impairment is generally present, with increased body sway, and poor performance in divided attention tests. Users are sometimes described as 'on the nod', falling asleep in the middle of conversations or at inappropriate times. Tolerance can develop to the effects of opiates, and more experienced users are less susceptible to the impairing effects.

Analysis Summary and Reporting Limits:

All of the following tests were performed for this case. For each test, the compounds listed were included in the scope. The Reporting Limit listed for each compound represents the lowest concentration of the compound that will be reported as being positive. If the compound is listed as None Detected, it is not present above the Reporting Limit. Please refer to the Positive Findings section of the report for those compounds that were identified as being present.

Test 50014B - Cocaine and Metabolites Confirmation, Blood - Blood

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

Analyte	Rpt. Limit	Analyte	Rpt. Limit
Benzoylcegonine	50 ng/mL	Cocaine	10 ng/mL
Cocaethylene	10 ng/mL	Ecgonine Methyl Ester	50 ng/mL

Test 50016B - Opiates - Free (Unconjugated) Confirmation, Blood - Blood

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

Analyte	Rpt. Limit	Analyte	Rpt. Limit
6-Monoacetylmorphine - Free	1.0 ng/mL	Hydromorphone - Free	1.0 ng/mL
Codeine - Free	5.0 ng/mL	Morphine - Free	5.0 ng/mL
Dihydrocodeine / Hydrocodol - Free	5.0 ng/mL	Oxycodone - Free	5.0 ng/mL
Hydrocodone - Free	5.0 ng/mL	Oxymorphone - Free	1.0 ng/mL

Test 52144B - Gabapentin Confirmation, Blood - Blood

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

Analysis Summary and Reporting Limits:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Gabapentin	1.0 mcg/mL		

Test 52198B - Cannabinoids Confirmation, Blood - Blood

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
11-Hydroxy Delta-9 THC	1.0 ng/mL	Delta-9 THC	0.50 ng/mL
Delta-9 Carboxy THC	5.0 ng/mL		

Test 52250B - Alcohols and Acetone Confirmation, Blood - Blood

-Analysis by Headspace Gas Chromatography (GC) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Acetone	5.0 mg/dL	Isopropanol	5.0 mg/dL
Ethanol	10 mg/dL	Methanol	10 mg/dL

Test 52486B - Fentanyl and 4-ANPP Confirmation, Blood - Blood

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
4-ANPP	0.20 ng/mL	Fentanyl	1.0 ng/mL
Acetyl Fentanyl	0.20 ng/mL	Norfentanyl	0.40 ng/mL

Test 53588B - Benzodiazepines Confirmation, Blood (Forensic) - Blood

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
7-Amino Clonazepam	5.0 ng/mL	Diazepam	20 ng/mL
Alpha-Hydroxyalprazolam	5.0 ng/mL	Lorazepam	5.0 ng/mL
Alprazolam	5.0 ng/mL	Midazolam	5.0 ng/mL
Chlordiazepoxide	20 ng/mL	Nordiazepam	20 ng/mL
Clobazam	20 ng/mL	Oxazepam	20 ng/mL
Clonazepam	2.0 ng/mL	Temazepam	20 ng/mL
Desalkylflurazepam	5.0 ng/mL	Triazolam	2.0 ng/mL

Test 8052B - Postmortem, Expanded, Blood (Forensic) - Blood

-Analysis by Enzyme-Linked Immunosorbent Assay (ELISA) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Barbiturates	0.040 mcg/mL	Gabapentin	5.0 mcg/mL
Cannabinoids	10 ng/mL	Salicylates	120 mcg/mL

-Analysis by Headspace Gas Chromatography (GC) for:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Acetone	5.0 mg/dL	Ethanol	10 mg/dL



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Workorder 24000149
Chain 14327
Patient ID 8052B-POS

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Analysis Summary and Reporting Limits:

<u>Analyte</u>	<u>Rpt. Limit</u>	<u>Analyte</u>	<u>Rpt. Limit</u>
Isopropanol	5.0 mg/dL	Methanol	10 mg/dL

-Analysis by High Performance Liquid Chromatography/Time of Flight-Mass Spectrometry (LC/TOF-MS) for: The following is a general list of analyte classes included in this screen. The detection of any specific analyte is concentration-dependent. Note, not all known analytes in each specified analyte class are included. Some specific analytes outside of these classes are also included. For a detailed list of all analytes and reporting limits, please contact NMS Labs. Amphetamines, Anticonvulsants, Antidepressants, Antihistamines, Antipsychotics, Benzodiazepines, CNS Stimulants, Cocaine and Metabolites, Hallucinogens, Hypnotosedatives, Muscle Relaxants, Non-Steroidal Anti-Inflammatory Agents, Opiates and Opioids.

Section 5

FEDERAL FUNDS ADDENDUM
2 C.F.R. §§ 200.317 – 200.327

Purpose: This addendum is intended to modify the solicitation in an attempt to make the contract compliant with the requirements of 2 C.F.R. §§ 200.317 through 200.327 relating to the expenditure of certain federal funds. This solicitation will allow the State to obtain one or more contracts that satisfy standard state procurement, state federal funds procurement, and county/local federal funds procurement requirements.

Instructions: Vendors who are willing to extend their contract to procurements with federal funds and the requirements that go along with doing so, should sign the attached document identified as: “REQUIRED CONTRACT PROVISIONS FOR NON-FEDERAL ENTITY CONTRACTS UNDER FEDERAL AWARDS (2 C.F.R. § 200.317)”

Should the awarded vendor be unwilling to extend the contract to federal funds procurement, the State reserves the right to award additional contracts to vendors that can and are willing to meet federal funds procurement requirements.

Changes to Specifications: Vendors should consider this solicitation as containing two separate solicitations, one for state level procurement and one for county/local procurement.

State Level: In the first solicitation, bid responses will be evaluated with applicable preferences identified in sections 15, 15A, and 16 of the “Instructions to Vendors Submitting Bids” to establish a contract for both standard state procurements and state federal funds procurements.

County Level: In the second solicitation, bid responses will be evaluated with applicable preferences identified in Sections 15, 15A, and 16 of the “Instructions to Vendors Submitting Bids” omitted to establish a contract for County/Local federal funds procurement.

Award: If the two evaluations result in the same vendor being identified as the winning bidder, the two solicitations will be combined into a single contract award. If the evaluations result in a different bidder being identified as the winning bidder, multiple contracts may be awarded. The State reserves the right to award to multiple different entities should it be required to satisfy standard state procurement, state federal funds procurement, and county/local federal funds procurement requirements.

State Government Use Caution: State agencies planning to utilize this contract for procurements subject to the above identified federal regulations should first consult with the federal agency providing the applicable funding to ensure the contract is compliant.

County/Local Government Use Caution: County and Local government entities planning to utilize this contract for procurements subject to the above identified federal regulation should first consult with the federal agency providing the applicable funding to ensure the contract is compliant. For purposes of County/Local government use, the solicitation resulting in this contract was conducted in accordance with the procurement laws, rules, and procedures governing the West Virginia Department of Administration, Purchasing Division, except that vendor preference has been omitted for County/Local use purposes and the contract terms contained in the document entitled “REQUIRED CONTRACT PROVISIONS FOR NON-FEDERAL ENTITY CONTRACTS UNDER FEDERAL AWARDS (2 C.F.R. § 200.317)” have been added.

FEDERAL FUNDS ADDENDUM

REQUIRED CONTRACT PROVISIONS FOR NON-FEDERAL ENTITY CONTRACTS UNDER FEDERAL AWARDS (2 C.F.R. § 200.317):

The State of West Virginia Department of Administration, Purchasing Division, and the Vendor awarded this Contract intend that this Contract be compliant with the requirements of the Procurement Standards contained in the Uniform Administrative Requirements, Cost Principles, and Audit Requirements found in 2 C.F.R. § 200.317, et seq. for procurements conducted by a Non-Federal Entity. Accordingly, the Parties agree that the following provisions are included in the Contract.

1. MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS: (2 C.F.R. § 200.321)

- a. The State confirms that it has taken all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible. Those affirmative steps include:
 - (1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
 - (2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
 - (3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
 - (4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;
 - (5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce; and
 - (6) Requiring the prime contractor, if subcontracts are to be let, to take the affirmative steps listed in paragraphs (1) through (5) above.
- b. Vendor confirms that if it utilizes subcontractors, it will take the same affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible.

2. DOMESTIC PREFERENCES: (2 C.F.R. § 200.322)

- a. The State confirms that as appropriate and to the extent consistent with law, it has, to the greatest extent practicable under a Federal award, provided a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United

States (including but not limited to iron, aluminum, steel, cement, and other manufactured products).

b. Vendor confirms that will include the requirements of this Section 2. Domestic Preference in all subawards including all contracts and purchase orders for work or products under this award.

c. Definitions: For purposes of this section:

(1) "Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.

(2) "Manufactured products" means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

3. BREACH OF CONTRACT REMEDIES AND PENALTIES:

(2 C.F.R. § 200.327 and Appendix II)

(a) The provisions of West Virginia Code of State Rules § 148-1-5 provide for breach of contract remedies, and penalties. A copy of that rule is attached hereto as Exhibit A and expressly incorporated herein by reference.

4. TERMINATION FOR CAUSE AND CONVENIENCE:

(2 C.F.R. § 200.327 and Appendix II)

(a) The provisions of West Virginia Code of State Rules § 148-1-5 govern Contract termination. A copy of that rule is attached hereto as Exhibit A and expressly incorporated herein by reference.

5. EQUAL EMPLOYMENT OPPORTUNITY:

(2 C.F.R. § 200.327 and Appendix II)

Except as otherwise provided under 41 CFR Part 60, and if this contract meets the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3, this contract includes the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

6. DAVIS-BACON WAGE RATES:

(2 C.F.R. § 200.327 and Appendix II)

Vendor agrees that if this Contract includes construction, all construction work in excess of \$2,000 will be completed and paid for in compliance with the Davis–Bacon Act (40 U.S.C. 3141–3144, and 3146–3148) as supplemented by Department of Labor regulations (29 CFR Part 5, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with the statute, contractors must:

- (a) pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor.
- (b) pay wages not less than once a week.

A copy of the current prevailing wage determination issued by the Department of Labor is attached hereto as Exhibit B. The decision to award a contract or subcontract is conditioned upon the acceptance of the wage determination. The State will report all suspected or reported violations to the Federal awarding agency.

7. ANTI-KICKBACK ACT:
(2 C.F.R. § 200.327 and Appendix II)

Vendor agrees that it will comply with the Copeland Anti-KickBack Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). Accordingly, Vendor, Subcontractors, and anyone performing under this contract are prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The State must report all suspected or reported violations to the Federal awarding agency.

8. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT
(2 C.F.R. § 200.327 and Appendix II)

Where applicable, and only for contracts awarded by the State in excess of \$100,000 that involve the employment of mechanics or laborers, Vendor agrees to comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, Vendor is required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

9. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT.
(2 C.F.R. § 200.327 and Appendix II)

If the Federal award meets the definition of “funding agreement” under 37 CFR § 401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.

10. CLEAN AIR ACT
(2 C.F.R. § 200.327 and Appendix II)

Vendor agrees that if this contract exceeds \$150,000, Vendor is to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401–7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251–1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

11. DEBARMENT AND SUSPENSION
(2 C.F.R. § 200.327 and Appendix II)

The State will not award to any vendor that is listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

12. BYRD ANTI-LOBBYING AMENDMENT
(2 C.F.R. § 200.327 and Appendix II)

Vendors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

13. PROCUREMENT OF RECOVERED MATERIALS
(2 C.F.R. § 200.327 and Appendix II; 2 C.F.R. § 200.323)

Vendor agrees that it and the State must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the

Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

14. PROHIBITION ON CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT.

(2 C.F.R. § 200.327 and Appendix II; 2 CFR § 200.216)

Vendor and State agree that both are prohibited from obligating or expending funds under this Contract to:

- (1) Procure or obtain;
- (2) Extend or renew a contract to procure or obtain; or
- (3) Enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. As described in Public Law 115–232, section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).
 - (i) For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).
 - (ii) Telecommunications or video surveillance services provided by such entities or using such equipment.
 - (iii) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

In implementing the prohibition under Public Law 115–232, section 889, subsection (f), paragraph (1), heads of executive agencies administering loan, grant, or subsidy programs shall prioritize available funding and technical support to assist affected businesses, institutions and organizations as is reasonably necessary for those affected entities to transition from covered communications equipment and services, to procure replacement equipment and services, and to ensure that communications service to users and customers is sustained.

State of West Virginia

Vendor Name:

By: _____

By:  _____

Printed Name: _____

Printed Name: Eric Rieders

Title: _____

Title: Interim President and CEO

Date: _____

Date: 10/28/2024

EXHIBIT A To:
REQUIRED CONTRACT PROVISIONS FOR NON-FEDERAL ENTITY
CONTRACTS UNDER FEDERAL AWARDS (2 C.F.R. § 200.317):

W. Va. CSR § 148-1-5

West Virginia Code of State Rules
Title 148. Department of Administration
Legislative Rule (Ser. 1)
Series 1. Purchasing

W. Va. Code St. R. § 148-1-5
§ 148-1-5. Remedies.

Currentness

5.1. The Director may require that the spending unit attempt to resolve any issues that it may have with the vendor prior to pursuing a remedy contained herein. The spending unit must document any resolution efforts and provide copies of those documents to the Purchasing Division.

5.2. Contract Cancellation.

5.2.1. Cancellation. The Director may cancel a purchase or contract immediately under any one of the following conditions including, but not limited to:

5.2.1.a. The vendor agrees to the cancellation;

5.2.1.b. The vendor has obtained the contract by fraud, collusion, conspiracy, or is in conflict with any statutory or constitutional provision of the State of West Virginia;

5.2.1.c. Failure to honor any contractual term or condition or to honor standard commercial practices;

5.2.1.d. The existence of an organizational conflict of interest is identified;

5.2.1.e. Funds are not appropriated or an appropriation is discontinued by the legislature for the acquisition;

5.2.1.f. Violation of any federal, state, or local law, regulation, or ordinance, and

5.2.1.g. The contract was awarded in error.

5.2.2. The Director may cancel a purchase or contract for any reason or no reason, upon providing the vendor with 30 days' notice of the cancellation.

5.2.3. Opportunity to Cure. In the event that a vendor fails to honor any contractual term or condition, or violates any provision of federal, state, or local law, regulation, or ordinance, the Director may request that the vendor remedy the contract breach or legal violation within a time frame the Director determines to be appropriate. If the vendor fails to remedy the contract breach or legal violation or the Director determines, at his or her sole discretion, that such a request is unlikely to yield a satisfactory result, then he or she may cancel immediately without providing the vendor an opportunity to perform a remedy.

5.2.4. Re-Award. The Director may award the cancelled contract to the next lowest responsible bidder (or next highest scoring bidder if best value procurement) without a subsequent solicitation if the following conditions are met:

5.2.4.a. The next lowest responsible bidder (or next highest scoring bidder if best value procurement) is able to perform at the price contained in its original bid submission, and

5.2.4.b. The contract is an open-end contract, a one-time purchase contract, or a contract for work which has not yet commenced.

Award to the next lowest responsible bidder (or next highest scoring bidder if best value procurement) will not be an option if the vendor's failure has in any way increased or significantly changed the scope of the original contract. The vendor failing to honor contractual and legal obligations is responsible for any increase in cost the state incurs as a result of the re-award.

5.3. Non-Responsible. If the Director believes that a vendor may be non-responsible, the Director may request that a vendor or spending unit provide evidence that the vendor either does or does not have the capability to fully perform the contract requirements, and the integrity and reliability necessary to assure good faith performance. If the Director determines that the vendor is non-responsible, the Director shall reject that vendor's bid and shall not award the contract to that vendor. A determination of non-responsibility must be evaluated on a case-by-case basis and can only be made after the vendor in question has submitted a bid. A determination of non-responsibility will only extend to the contract for which the vendor has submitted a bid and does not operate as a bar against submitting future bids.

5.4. Suspension.

5.4.1. The Director may suspend, for a period not to exceed 1 year, the right of a vendor to bid on procurements issued by the Purchasing Division or any state spending unit under its authority if:

5.4.1.a. The vendor has submitted a bid and then requested that its bid be withdrawn after bids have been publicly opened.

5.4.1.b. The vendor has exhibited poor performance in fulfilling his or her contractual obligations to the State. Poor performance includes, but is not limited to any of the following: violations of law, regulation, or ordinance; failure to deliver timely; failure to deliver quantities ordered; poor performance reports; or failure to deliver commodities, services, or printing at the quality level required by the contract.

5.4.1.c. The vendor has breached a contract issued by the Purchasing Division or any state spending unit under its authority and refuses to remedy that breach.

5.4.1.d. The vendor's actions have given rise to one or more of the grounds for debarment listed in W. Va. Code § 5A-3-33d.

5.4.2. Vendor suspension for the reasons listed in section 5.4 above shall occur as follows:

5.4.2.a. Upon a determination by the Director that a suspension is warranted, the Director will serve a notice of suspension to the vendor.

5.4.2.b. A notice of suspension must inform the vendor:

5.4.2.b.1. Of the grounds for the suspension;

5.4.2.b.2. Of the duration of the suspension;

5.4.2.b.3. Of the right to request a hearing contesting the suspension;

5.4.2.b.4. That a request for a hearing must be served on the Director no later than 5 working days of the vendor's receipt of the notice of suspension;

5.4.2.b.5. That the vendor's failure to request a hearing no later than 5 working days of the receipt of the notice of suspension will be deemed a waiver of the right to a hearing and result in the automatic enforcement of the suspension without further notice or an opportunity to respond; and

5.4.2.b.6. That a request for a hearing must include an explanation of why the vendor believes the Director's asserted grounds for suspension do not apply and why the vendor should not be suspended.

5.4.2.c. A vendor's failure to serve a request for hearing on the Director no later than 5 working days of the vendor's receipt of the notice of suspension will be deemed a waiver of the right to a hearing and may result in the automatic enforcement of the suspension without further notice or an opportunity to respond.

5.4.2.d. A vendor who files a timely request for hearing but nevertheless fails to provide an explanation of why the asserted grounds for suspension are inapplicable or should not result in a suspension, may result in a denial of the vendor's hearing request.

5.4.2.e. Within 5 working days of receiving the vendor's request for a hearing, the Director will serve on the vendor a notice of hearing that includes the date, time and place of the hearing.

5.4.2.f. The hearing will be recorded and an official record prepared. Within 10 working days of the conclusion of the hearing, the Director will issue and serve on the vendor, a written decision either confirming or reversing the suspension.

5.4.3. A vendor may appeal a decision of the Director to the Secretary of the Department of Administration. The appeal must be in writing and served on the Secretary no later than 5 working days of receipt of the Director's decision.

5.4.4. The Secretary, or his or her designee, will schedule an appeal hearing and serve on the vendor, a notice of hearing that includes the date, time and place of the hearing. The appeal hearing will be recorded and an official record prepared. Within 10 working days of the conclusion of the appeal hearing, the Secretary will issue and serve on the vendor a written decision either confirming or reversing the suspension.

5.4.5. Any notice or service related to suspension actions or proceedings must be provided by certified mail, return receipt requested.

5.5. Vendor Debarment. The Director may debar a vendor on the basis of one or more of the grounds for debarment contained in W. Va. Code § 5A-3-33d or if the vendor has been declared ineligible to participate in procurement related activities under federal laws and regulation.

5.5.1. Debarment proceedings shall be conducted in accordance with W. Va. Code § 5A-3-33e and these rules. A vendor that has received notice of the proposed debarment by certified mail, return receipt requested, must respond to the proposed debarment within 30 working days after receipt of notice or the debarment will be instituted without further notice. A vendor is deemed to have received notice, notwithstanding the vendor's failure to accept the certified mail, if the letter is addressed to the vendor at its last known address. After considering the matter and reaching a decision, the Director shall notify the vendor of his or her decision by certified mail, return receipt requested.

5.5.2. Any vendor, other than a vendor prohibited from participating in federal procurement, undergoing debarment proceedings is permitted to continue participating in the state's procurement process until a final debarment decision has been reached. Any contract that a debarred vendor obtains prior to a final debarment decision shall remain in effect for the current term, but may not be extended or renewed. Notwithstanding the foregoing, the Director may cancel a contract held by a debarred vendor if the Director determines, in his or her sole discretion, that doing so is in the best interest of the State. A vendor prohibited from participating in federal procurement will not be permitted to participate in the state's procurement process during debarment proceedings.

5.5.3. If the Director's final debarment decision is that debarment is warranted and notice of the final debarment decision is mailed, the Purchasing Division shall reject any bid submitted by the debarred vendor, including any bid submitted prior to the final debarment decision if that bid has not yet been accepted and a contract consummated.

5.5.4. Pursuant to W.Va. Code § 5A-3-33e(e), the length of the debarment period will be specified in the debarment decision and will be for a period of time that the Director finds necessary and proper to protect the public from an irresponsible vendor.

5.5.5. List of Debarred Vendors. The Director shall maintain and publicly post a list of debarred vendors on the Purchasing Division's website.

5.5.6. Related Party Debarment. The Director may pursue debarment of a related party at the

same time that debarment of the original vendor is proceeding or at any time thereafter that the Director determines a related party debarment is warranted. Any entity that fails to provide the Director with full, complete, and accurate information requested by the Director to determine related party status will be presumed to be a related party subject to debarment.

5.6. Damages.

5.6.1. A vendor who fails to perform as required under a contract shall be liable for actual damages and costs incurred by the state.

5.6.2. If any commodities delivered under a contract have been used or consumed by a spending unit and on testing the commodities are found not to comply with specifications, no payment may be approved by the Spending Unit for the merchandise until the amount of actual damages incurred has been determined.

5.6.3. The Spending Unit shall seek to collect damages by following the procedures established by the Office of the Attorney General for the collection of delinquent obligations.

Credits

History: Filed 4-1-19, eff. 4-1-19; Filed 4-16-21, eff. 5-1-21.

Current through register dated May 7, 2021. Some sections may be more current. See credits for details.

W. Va. C.S.R. § 148-1-5, WV ADC § 148-1-5

End of Document

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EXHIBIT B To:
REQUIRED CONTRACT PROVISIONS FOR NON-FEDERAL ENTITY
CONTRACTS UNDER FEDERAL AWARDS (2 C.F.R. § 200.317):

Prevailing Wage Determination

☒ – Not Applicable Because Contract Not for Construction

☐ – Federal Prevailing Wage Determination on Next Page

EXHIBIT A

Vendor shall quote a single Discount Percentage that will reduce the lowest price shown in the Catalog for every Eligible Item

VENDOR ELIGIBLE ITEM	ITEM MANUFACTURER	MANUFACTURER NUMBER	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	DISCOUNT PERCENTAGE	DISCOUNTED UNIT PRICE	TOTAL COST
Comprehensive Panel, Blood (Forensic)	NMS Labs	8052B	3390	EACH	\$413.00	52%	\$199.00	\$674,610.00
Electrolytes and Glucose Panel (Vitreous), Fluid (Forensics)	NMS Labs	1919FL	1326	EACH	\$114.00	5%	\$108.00	\$143,208.00
Cannabinoids Confirmation, Blood	NMS Labs	52198B	1266	EACH	\$0.00		\$0.00	\$0.00
Fentanyl and 4-ANPP Confirmation, Blood	NMS Labs	52486B	1236	EACH	\$0.00		\$0.00	\$0.00
Amphetamines Confirmation, Blood	NMS Labs	52483B	1020	EACH	\$0.00		\$0.00	\$0.00
Alcohol Panel, Fluid	NMS Labs	0170FL	918	EACH	\$129.00	5%	\$123.00	\$112,914.00
Ketone Panel, Fluid	NMS Labs	2481FL	738	EACH	\$301.00	5%	\$286.00	\$211,068.00
Alcohols and Acetone Confirmation, Blood	NMS Labs	52250B	870	EACH	\$0.00		\$0.00	\$0.00
Gabapentin Confirmation, Blood	NMS Labs	52144B	516	EACH	\$0.00		\$0.00	\$0.00
Postmortem, Expanded, Blood (Forensics)	NMS Labs	8052B	510	EACH	\$413.00	52%	\$199.00	\$101,490.00
Cocaine and Metabolites Confirmation, Blood	NMS Labs	50014B	288	EACH	\$0.00		\$0.00	\$0.00
Opiates - Free (Unconjugated) Confirmation, Blood	NMS Labs	50016B	420	EACH	\$0.00		\$0.00	\$0.00
Benzodiazepines Confirmation, Blood (Forensics)	NMS Labs	53589B	342	EACH	\$0.00		\$0.00	\$0.00
Postmortem, Expanded, Tissue (Forensics)	NMS Labs	8052TI	264	EACH	\$750.00	5%	\$713.00	\$188,232.00
Novel Psychoactive Substances (NPS) Screen 1, Blood	NMS Labs	8756B	246	EACH	\$374.00	5%	\$355.00	\$87,330.00
Xylazine Confirmation, Blood	NMS Labs	52135B	234	EACH	\$0.00		\$0.00	\$0.00
Diphenhydramine Confirmation, Blood	NMS Labs	52441B	204	EACH	\$0.00		\$0.00	\$0.00
Metoprolol Confirmation, Blood	NMS Labs	52082B	180	EACH	\$0.00		\$0.00	\$0.00
Hydroxyzine Confirmation, Blood	NMS Labs	52442B	162	EACH	\$0.00		\$0.00	\$0.00
Amlodipine Confirmation, Blood (Forensic)	NMS Labs	53146B	150	EACH	\$0.00		\$0.00	\$0.00
							TOTAL COST	\$ 1,518,852.00

	ESTIMATED QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL COST		
Expert Witness Testimony Hours -Vendor shall be responsible for all mileage and travel costs, including travel time, associated with performance of this Contract. Any anticipated mileage or travel costs may be included in the flat fee or hourly rate listed on the Vendor's bid, but such costs will not be paid by the Agency separately.	10	HOURS	\$ 293.00	\$ 2,930.00		
				TOTAL BID AMOUNT	\$ 1,521,782.00	

2024 FEE SCHEDULE

Effective January 1, 2024

ver. 231031.2



800.522.6671

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NMS Labs
2024 List Fee Schedule

Sample Matrix / Suffix Key

Suffix	Sample Matrix
B	Blood
BO	Bone
D	Dialysis Fluid
F	Fat
FL	Fluid
GS	Gas
H	Hair
N	Nails
LI	Liquid
ME	Meconium
O	Other
OF	Oral Fluid
P	Plasma
PT	Paint
R	Red Blood Cells (RBC)
SL	Solid
SP	Serum/Plasma
ST	Stool
TH	Teeth
U	Urine
UC	Umbilical Cord Tissue
UH	24 Hour Urine

The tests listed in this Fee Schedule are the most commonly ordered by our clients. All test prices are in US dollars. Some tests offered by NMS Labs may not be listed in this Fee Schedule. If a test of interest does not appear in this fee schedule, please contact Client Support at (800) 522-6671 or clientsupport@nmslabs.com for information.

NOTE: The tests listed in this Fee Schedule were available at the time of publication. Tests may be added to our test menu or discontinued after the publication of the Fee Schedule. Please check for a current listing of tests available via NMS Labs on-line test catalog at www.nmslabs.com/test-catalog.

Contact phone numbers and email addresses:

- Clinical & Research Clients: 1.866.522.2206 / clinical@nmslabs.com
- Forensic Clients: 1.866.522.2216 / forensics@nmslabs.com
- Expert Service Clients: 1.844.276.0768 / expertservices@nmslabs.com
- Billing Inquiries: 1.800.522.6671 / billingTIQ@nmslabs.com
- Crime Lab Clients: 1.844.276.1182 / crimelab@nmslabs.com

NMS Labs

2024 List Fee Schedule

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NMS Labs
2024 List Fee Schedule

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Test	Test Name	List Price
2358U	1-Hydroxypyrene, Urine	\$384.00
3124SP	1-Naphthol, Serum/Plasma	\$266.00
0094U	2,5-Hexanedione, Urine	\$297.00
0010B	2-fluoro Deschloroketamine and Deschloroketamine (Qualitative), Blood	\$275.00
0010SP	2-fluoro Deschloroketamine and Deschloroketamine (Qualitative), Serum/Plasma	\$172.00
0010U	2-fluoro Deschloroketamine and Deschloroketamine (Qualitative), Urine	\$172.00
0015B	2-methyl AP-237 & AP-238, Blood	\$535.00
0015SP	2-methyl AP-237 & AP-238, Serum/Plasma	\$535.00
0015U	2-methyl AP-237 & AP-238, Urine	\$535.00
0014B	3-MeO-PCP and 3-hydroxy-PCP (Qualitative), Blood	\$275.00
0014SP	3-MeO-PCP and 3-hydroxy-PCP (Qualitative), Serum/Plasma	\$172.00
0014U	3-MeO-PCP and 3-hydroxy-PCP (Qualitative), Urine	\$172.00
0276SP	4-Aminopyridine Exposure, Serum/Plasma	\$623.00
0276U	4-Aminopyridine Exposure, Urine	\$623.00
8665B	6-Monoacetylmorphine - Free (Unconjugated), Blood	\$370.00
8665FL	6-Monoacetylmorphine - Free (Unconjugated), Fluid	\$318.00
8665SP	6-Monoacetylmorphine - Free (Unconjugated), Serum/Plasma	\$370.00
8665U	6-Monoacetylmorphine - Free (Unconjugated), Urine	\$370.00
0325U	8-Hydroxy Amoxapine, Urine	\$290.00
0013SP	Acamprosate, Serum/Plasma	\$252.00
0012B	Acebutolol, Blood	\$469.00
0012SP	Acebutolol, Serum/Plasma	\$411.00
9101B	Acepromazine Screen, Blood	\$286.00
9101SP	Acepromazine Screen, Serum/Plasma	\$499.00
9101U	Acepromazine Screen, Urine	\$345.00
0017B	Acepromazine, Blood	\$495.00
0017SP	Acepromazine, Serum/Plasma	\$311.00
0017U	Acepromazine, Urine	\$311.00
0021B	Acetaldehyde, Blood	\$132.00
0021SP	Acetaldehyde, Serum/Plasma	\$84.00
0021U	Acetaldehyde, Urine	\$118.00
0032B	Acetaminophen Screen, Blood	\$99.00
0032SP	Acetaminophen Screen, Serum/Plasma	\$103.00
0032U	Acetaminophen Screen, Urine	\$62.00
0030B	Acetaminophen, Blood	\$63.00
0030FL	Acetaminophen, Fluid	\$270.00
0030SP	Acetaminophen, Serum/Plasma	\$63.00
1788SP	Acetaminophen, Serum/Plasma	\$106.00
0030TI	Acetaminophen, Tissue	\$339.00
0030U	Acetaminophen, Urine	\$63.00
0050B	Acetazolamide, Blood	\$92.00
0050SP	Acetazolamide, Serum/Plasma	\$137.00
0050U	Acetazolamide, Urine	\$146.00
0060SP	Acetoacetate, Serum/Plasma	\$200.00
0060U	Acetoacetate, Urine	\$317.00
0080B	Acetone, Blood	\$60.00

Effective January 1, 2024

All prices are US Dollars and are subject to change.

NMS Labs
2024 List Fee Schedule

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Test	Test Name	List Price
0080FL	Acetone, Fluid	\$95.00
0080SP	Acetone, Serum/Plasma	\$60.00
0080U	Acetone, Urine	\$60.00
0088B	Acetonitrile Exposure Profile, Blood	\$486.00
0088U	Acetonitrile Exposure Profile, Urine	\$450.00
0100SP	Acetophenazine, Serum/Plasma	\$481.00
0205U	Acetyl Fentanyl and Metabolite, Urine	\$185.00
9105B	Acetyl Fentanyl Screen, Blood	\$185.00
9105SP	Acetyl Fentanyl Screen, Serum/Plasma	\$185.00
9105U	Acetyl Fentanyl Screen, Urine	\$185.00
0205B	Acetyl Fentanyl, Blood	\$185.00
0205FL	Acetyl Fentanyl, Fluid	\$371.00
0205SP	Acetyl Fentanyl, Serum/Plasma	\$185.00
0205TI	Acetyl Fentanyl, Tissue	\$371.00
0148B	Acrylonitrile Exposure Profile, Blood	\$313.00
0148U	Acrylonitrile Exposure Profile, Urine	\$395.00
0166B	Acyclovir, Blood	\$321.00
0158SP	Acyclovir, Serum/Plasma	\$189.00
0158U	Acyclovir, Urine	\$189.00
0165B	Albuterol, Blood	\$318.00
0165FL	Albuterol, Fluid	\$386.00
0165SP	Albuterol, Serum/Plasma	\$480.00
0165TI	Albuterol, Tissue	\$419.00
0175B	Alcohol (DUID/DRE), Blood (Forensic)	\$134.00
0175SP	Alcohol (DUID/DRE), Serum/Plasma (Forensic)	\$219.00
0175U	Alcohol (DUID/DRE), Urine (Forensic)	\$219.00
0170B	Alcohol Panel, Blood	\$91.00
0170FL	Alcohol Panel, Fluid	\$129.00
0170SP	Alcohol Panel, Serum/Plasma	\$91.00
0170TI	Alcohol Panel, Tissue	\$189.00
0170U	Alcohol Panel, Urine	\$74.00
0171B	Alcohol Screen, Blood	\$45.00
0171FL	Alcohol Screen, Fluid	\$82.00
0171SP	Alcohol Screen, Serum/Plasma	\$76.00
0171TI	Alcohol Screen, Tissue	\$118.00
0171U	Alcohol Screen, Urine	\$45.00
0230B	Alcohol with reflex to DUID Screen, Blood (Forensic)	\$121.00
0190B	Aldrin/Dieldrin, Blood	\$200.00
0190SP	Aldrin/Dieldrin, Serum/Plasma	\$200.00
9103U	Alfentanil Screen, Urine	\$317.00
0200B	Alfentanil, Blood	\$242.00
0200SP	Alfentanil, Serum/Plasma	\$396.00
0213SP	Allopurinol and Metabolite, Serum/Plasma	\$161.00
3780B	Alpha-Pinene, Blood	\$299.00
8646B	Alprazolam and Metabolite, Blood	\$371.00
8646FL	Alprazolam and Metabolite, Fluid	\$318.00

Effective January 1, 2024

All prices are US Dollars and are subject to change.

NMS Labs
2024 List Fee Schedule

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Test	Test Name	List Price
8646SP	Alprazolam and Metabolite, Serum/Plasma	\$357.00
8646U	Alprazolam and Metabolite, Urine	\$357.00
0260B	Alprazolam, Blood	\$110.00
0260FL	Alprazolam, Fluid	\$313.00
0260SP	Alprazolam, Serum/Plasma	\$110.00
0260TI	Alprazolam, Tissue	\$381.00
0264UH	Aluminum, 24 Hour Urine	\$92.00
0264B	Aluminum, Blood	\$161.00
0264FL	Aluminum, Fluid	\$496.00
0264H	Aluminum, Hair	\$520.00
0264LI	Aluminum, Liquid	\$463.00
0264R	Aluminum, RBCs	\$89.00
0264SP	Aluminum, Serum/Plasma	\$89.00
0264TI	Aluminum, Tissue	\$480.00
0264U	Aluminum, Urine	\$168.00
9308SP	Amantadine Screen, Serum/Plasma	\$169.00
0265B	Amantadine, Blood	\$153.00
0265FL	Amantadine, Fluid	\$355.00
0265SP	Amantadine, Serum/Plasma	\$100.00
0265U	Amantadine, Urine	\$153.00
0269SP	Aminocaproic Acid, Serum/Plasma	\$435.00
0307B	Amiodarone and Metabolite, Blood	\$475.00
0307SP	Amiodarone and Metabolite, Serum/Plasma	\$475.00
0308SP	Amisulpride, Serum/Plasma	\$255.00
9432B	Amitriptyline and Metabolite Screen, Blood	\$212.00
9432SP	Amitriptyline and Metabolite Screen, Serum/Plasma	\$185.00
9432U	Amitriptyline and Metabolite Screen, Urine	\$204.00
0310B	Amitriptyline and Metabolite, Blood	\$127.00
0310FL	Amitriptyline and Metabolite, Fluid	\$404.00
0310SP	Amitriptyline and Metabolite, Serum/Plasma	\$201.00
0310TI	Amitriptyline and Metabolite, Tissue	\$421.00
0310U	Amitriptyline and Metabolite, Urine	\$201.00
0315B	Amlodipine, Blood	\$357.00
0315SP	Amlodipine, Serum/Plasma	\$357.00
0320SP	Amobarbital, Serum/Plasma	\$201.00
0320U	Amobarbital, Urine	\$127.00
0325B	Amoxapine and Metabolite, Blood	\$290.00
0325SP	Amoxapine and Metabolite, Serum/Plasma	\$438.00
0329B	Amphetamines (D/L Differentiation), Blood	\$344.00
0329FL	Amphetamines (D/L Differentiation), Fluid	\$538.00
0329SP	Amphetamines (D/L Differentiation), Serum/Plasma	\$344.00
0329U	Amphetamines (D/L Differentiation), Urine	\$344.00
8600ME	Amphetamines Panel (Qualitative), Meconium	\$300.00
8890OF	Amphetamines Panel (Qualitative), Oral Fluid (Saliva)	\$68.00
8600B	Amphetamines Panel, Blood	\$246.00
8600FL	Amphetamines Panel, Fluid	\$601.00

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8600SP	Amphetamines Panel, Serum/Plasma	\$246.00
8600TI	Amphetamines Panel, Tissue	\$524.00
8600U	Amphetamines Panel, Urine	\$246.00
0337B	Amphetamines Screen, Blood	\$132.00
0337FL	Amphetamines Screen, Fluid	\$334.00
6924H	Amphetamines Screen, Hair	\$474.00
0337SP	Amphetamines Screen, Serum/Plasma	\$143.00
0337U	Amphetamines Screen, Urine	\$143.00
9306U	Anabolic Steroids Screen, Urine	\$153.00
0406B	Anticoagulant Poisoning Panel (Qualitative), Blood	\$1,324.00
0406SP	Anticoagulant Poisoning Panel (Qualitative), Serum/Plasma	\$856.00
0406TI	Anticoagulant Poisoning Panel (Qualitative), Tissue	\$1,117.00
4655B	Antidepressants Panel 1, Blood	\$387.00
4655FL	Antidepressants Panel 1, Fluid	\$458.00
4655SP	Antidepressants Panel 1, Serum/Plasma	\$387.00
4655TI	Antidepressants Panel 1, Tissue	\$458.00
8700B	Antidepressants Panel, Blood	\$464.00
8700SP	Antidepressants Panel, Serum/Plasma	\$321.00
8700U	Antidepressants Panel, Urine	\$321.00
9431B	Antidepressants Screen, Blood	\$293.00
9431SP	Antidepressants Screen, Serum/Plasma	\$254.00
9431U	Antidepressants Screen, Urine	\$177.00
0410B	Antimony, Blood	\$89.00
0410H	Antimony, Hair	\$520.00
0410LI	Antimony, Liquid	\$312.00
0410N	Antimony, Nails	\$520.00
0410R	Antimony, RBCs	\$89.00
0410SP	Antimony, Serum/Plasma	\$89.00
0410U	Antimony, Urine	\$89.00
0425B	Antipyrine, Blood	\$499.00
0425SP	Antipyrine, Serum/Plasma	\$324.00
0448SP	Apixaban, Serum/Plasma	\$256.00
0450B	Aprobarbital, Blood	\$331.00
0450SP	Aprobarbital, Serum/Plasma	\$135.00
0450U	Aprobarbital, Urine	\$135.00
0451B	Aripiprazole, Blood	\$207.00
0451SP	Aripiprazole, Serum/Plasma	\$207.00
0785B	Aromatic Solvents Exposure Panel, Blood	\$103.00
2416U	Aromatic Solvents Metabolites Panel, Urine	\$239.00
0460UH	Arsenic, 24 Hour Urine	\$111.00
0460B	Arsenic, Blood	\$111.00
0460FL	Arsenic, Fluid	\$314.00
0460H	Arsenic, Hair	\$683.00
0460N	Arsenic, Nails	\$468.00
0460R	Arsenic, RBCs	\$111.00
0460SP	Arsenic, Serum/Plasma	\$111.00

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Test	Test Name	List Price
0460TI	Arsenic, Tissue	\$383.00
0468UH	Arsenic, Total Inorganic, 24 Hour Urine	\$162.00
0468U	Arsenic, Total Inorganic, Urine	\$162.00
0460U	Arsenic, Urine	\$111.00
0474SP	Asenapine, Serum/Plasma	\$270.00
0483B	Atenolol, Blood	\$212.00
0483SP	Atenolol, Serum/Plasma	\$340.00
0483TI	Atenolol, Tissue	\$483.00
0483U	Atenolol, Urine	\$340.00
0486B	Atomoxetine, Blood	\$524.00
0486SP	Atomoxetine, Serum/Plasma	\$260.00
0486U	Atomoxetine, Urine	\$260.00
0487SP	Atovaquone, Serum/Plasma	\$487.00
0485B	Atrazine, Blood	\$486.00
0485SP	Atrazine, Serum/Plasma	\$383.00
0485U	Atrazine, Urine	\$383.00
9109B	Atropine Screen, Blood	\$761.00
9109SP	Atropine Screen, Serum/Plasma	\$625.00
9109U	Atropine Screen, Urine	\$732.00
0490B	Atropine, Blood	\$720.00
0490SP	Atropine, Serum/Plasma	\$720.00
0490U	Atropine, Urine	\$720.00
2111B	Baclofen, Blood	\$357.00
2111FL	Baclofen, Fluid	\$480.00
2111SP	Baclofen, Serum/Plasma	\$224.00
2111TI	Baclofen, Tissue	\$591.00
2111U	Baclofen, Urine	\$357.00
0500B	Barbital, Blood	\$521.00
0500SP	Barbital, Serum/Plasma	\$423.00
0500U	Barbital, Urine	\$521.00
8620ME	Barbiturates Panel (Qualitative), Meconium	\$447.00
8620B	Barbiturates Panel, Blood	\$224.00
8620FL	Barbiturates Panel, Fluid	\$405.00
8620SP	Barbiturates Panel, Serum/Plasma	\$357.00
8620TI	Barbiturates Panel, Tissue	\$465.00
8620U	Barbiturates Panel, Urine	\$224.00
0512B	Barbiturates Screen, Blood	\$132.00
6921H	Barbiturates Screen, Hair	\$482.00
0512SP	Barbiturates Screen, Serum/Plasma	\$91.00
0512U	Barbiturates Screen, Urine	\$143.00
0519B	Barium, Blood	\$200.00
0519FL	Barium, Fluid	\$205.00
0519H	Barium, Hair	\$574.00
0519SP	Barium, Serum/Plasma	\$133.00
0519TI	Barium, Tissue	\$526.00
0519U	Barium, Urine	\$133.00

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Test	Test Name	List Price
9351UC	Basic Drug Screen, Umbilical Cord Tissue	\$422.00
2626B	Bath Salts Panel (Qualitative), Blood	\$261.00
2626SP	Bath Salts Panel (Qualitative), Serum/Plasma	\$165.00
2626U	Bath Salts Panel (Qualitative), Urine	\$165.00
0520B	Belladonna Alkaloids Panel, Blood	\$411.00
0520SP	Belladonna Alkaloids Panel, Serum/Plasma	\$435.00
0520U	Belladonna Alkaloids Panel, Urine	\$435.00
0542U	Benzene Incident, Urine (OSHA)	\$209.00
0543U	Benzene OSHA Exposure Panel, Urine	\$116.00
0541B	Benzene, Blood	\$101.00
0541TI	Benzene, Tissue	\$368.00
0556U	Benzidine, Urine	\$496.00
0560B	Benzocaine, Blood	\$448.00
0560FL	Benzocaine, Fluid	\$506.00
0560P	Benzocaine, Plasma	\$258.00
0560U	Benzocaine, Urine	\$163.00
9329ME	Benzodiazepines Panel (Qualitative), Meconium	\$296.00
8891OF	Benzodiazepines Panel (Qualitative), Oral Fluid (Saliva)	\$68.00
9329B	Benzodiazepines Panel, Blood	\$239.00
9329FL	Benzodiazepines Panel, Fluid	\$274.00
9329SP	Benzodiazepines Panel, Serum/Plasma	\$239.00
9329TI	Benzodiazepines Panel, Tissue	\$309.00
9329U	Benzodiazepines Panel, Urine	\$239.00
0568B	Benzodiazepines Screen, Blood	\$182.00
0568FL	Benzodiazepines Screen, Fluid	\$339.00
6922H	Benzodiazepines Screen, Hair	\$483.00
0568SP	Benzodiazepines Screen, Serum/Plasma	\$112.00
0568U	Benzodiazepines Screen, Urine	\$59.00
0585B	Benzonatate, Blood	\$630.00
0585SP	Benzonatate, Serum/Plasma	\$835.00
0585U	Benzonatate, Urine	\$630.00
0610B	Benzphetamine as Metabolites, Blood	\$227.00
0610SP	Benzphetamine as Metabolites, Serum/Plasma	\$206.00
0610U	Benzphetamine as Metabolites, Urine	\$143.00
0620B	Benztropine, Blood	\$160.00
0620FL	Benztropine, Fluid	\$207.00
0620SP	Benztropine, Serum/Plasma	\$110.00
0620TI	Benztropine, Tissue	\$391.00
0620U	Benztropine, Urine	\$110.00
0630B	Benzyl Alcohol, Blood	\$270.00
0630SP	Benzyl Alcohol, Serum/Plasma	\$162.00
0638B	Beryllium, Blood	\$92.00
0638LI	Beryllium, Liquid	\$379.00
0638SP	Beryllium, Serum/Plasma	\$92.00
0638U	Beryllium, Urine	\$143.00
3227B	Beta-Blockers Panel, Blood	\$352.00

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Test	Test Name	List Price
3227SP	Beta-Blockers Panel, Serum/Plasma	\$340.00
3227U	Beta-Blockers Panel, Urine	\$340.00
0420B	Betahydroxybutyric Acid, Blood	\$218.00
0420FL	Betahydroxybutyric Acid, Fluid	\$286.00
0642SP	Betahydroxybutyric Acid, Serum/Plasma	\$107.00
0642U	Betahydroxybutyric Acid, Urine	\$107.00
0645FL	Bicarbonate, Fluid	\$297.00
0645U	Bicarbonate, Urine	\$92.00
7031B	Bio-Rad Geenius HIV 1/2 Supplemental Assay (Confirmation Test) - Send out	\$393.00
0680B	Bismuth, Blood	\$233.00
0680SP	Bismuth, Serum/Plasma	\$89.00
0680U	Bismuth, Urine	\$143.00
0690SP	Bisphenol A - Free (Unconjugated), Serum/Plasma	\$285.00
0690U	Bisphenol A - Total (Conjugated/Unconjugated), Urine	\$292.00
0711B	Boron, Blood	\$71.00
0711SP	Boron, Serum/Plasma	\$71.00
0711U	Boron, Urine	\$71.00
0716SP	Brexiprazole, Serum/Plasma	\$218.00
0718B	Brivaracetam, Blood	\$131.00
0718SP	Brivaracetam, Serum/Plasma	\$131.00
0413B	Brodifacoum (Qualitative), Blood	\$257.00
0413SP	Brodifacoum (Qualitative), Serum/Plasma	\$257.00
0414SP	Bromadiolone (Qualitative), Serum/Plasma	\$285.00
0719U	Bromazolam (Qualitative), Urine	\$325.00
0719B	Bromazolam, Blood	\$325.00
0719SP	Bromazolam, Serum/Plasma	\$325.00
0720B	Bromine - Total, Blood	\$414.00
0720SP	Bromine - Total, Serum/Plasma	\$101.00
0720U	Bromine - Total, Urine	\$166.00
9118B	Brompheniramine Screen, Blood	\$147.00
0770B	Brompheniramine, Blood	\$258.00
0770SP	Brompheniramine, Serum/Plasma	\$258.00
0770TI	Brompheniramine, Tissue	\$313.00
0770U	Brompheniramine, Urine	\$235.00
0771B	Brorphine, Blood	\$459.00
0771SP	Brorphine, Serum/Plasma	\$459.00
0771U	Brorphine, Urine	\$459.00
0796B	Bumetanide, Blood	\$679.00
0796SP	Bumetanide, Serum/Plasma	\$828.00
0800B	Bupivacaine, Blood	\$123.00
0800FL	Bupivacaine, Fluid	\$323.00
0800SP	Bupivacaine, Serum/Plasma	\$123.00
0800U	Bupivacaine, Urine	\$204.00
0802B	Buprenorphine and Metabolite - Free (Unconjugated) Screen, Blood	\$340.00
0802SP	Buprenorphine and Metabolite - Free (Unconjugated) Screen, Serum/Plasma	\$340.00
0801B	Buprenorphine and Metabolite - Free (Unconjugated), Blood	\$201.00

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0801SP	Buprenorphine and Metabolite - Free (Unconjugated), Serum/Plasma	\$201.00
0801ME	Buprenorphine and Metabolite - Total (Conjugated/Unconjugated) (Qualitative), Meconium	\$454.00
0801U	Buprenorphine and Metabolite - Total (Conjugated/Unconjugated), Urine	\$201.00
4127ME	Buprenorphine and Metabolite - Total (Qualitative), Meconium	\$454.00
0802U	Buprenorphine Screen, Urine	\$340.00
9122B	Bupropion and Metabolite Screen, Blood	\$257.00
9122SP	Bupropion and Metabolite Screen, Serum/Plasma	\$249.00
9122TI	Bupropion and Metabolite Screen, Tissue	\$490.00
9122U	Bupropion and Metabolite Screen, Urine	\$249.00
0803B	Bupropion and Metabolite, Blood	\$154.00
0803FL	Bupropion and Metabolite, Fluid	\$356.00
0803SP	Bupropion and Metabolite, Serum/Plasma	\$154.00
0803TI	Bupropion and Metabolite, Tissue	\$423.00
0803U	Bupropion and Metabolite, Urine	\$249.00
0805B	Buspirone, Blood	\$133.00
0805SP	Buspirone, Serum/Plasma	\$133.00
0805U	Buspirone, Urine	\$210.00
0820SP	Busulfan, Serum/Plasma	\$247.00
0810B	Butabarbital, Blood	\$299.00
0810SP	Butabarbital, Serum/Plasma	\$201.00
0810U	Butabarbital, Urine	\$183.00
0830B	Butalbital, Blood	\$201.00
0830SP	Butalbital, Serum/Plasma	\$205.00
0830U	Butalbital, Urine	\$183.00
0835B	Butane and Isobutane, Blood	\$410.00
0850B	Butanols, n-, iso-, Sec- and Tert, Blood	\$187.00
0850SP	Butanols, n-, iso-, Sec- and Tert, Serum/Plasma	\$187.00
0850U	Butanols, n-, iso-, Sec- and Tert, Urine	\$187.00
0885B	Butorphanol - Free (Unconjugated), Blood	\$507.00
0885SP	Butorphanol - Free (Unconjugated), Serum/Plasma	\$317.00
0885U	Butorphanol - Total (Conjugated/Unconjugated), Urine	\$317.00
0921UH	Cadmium, 24 Hour Urine	\$88.00
0921B	Cadmium, Blood	\$61.00
0921H	Cadmium, Hair	\$419.00
0921N	Cadmium, Nails	\$419.00
0921R	Cadmium, RBCs	\$61.00
0921SP	Cadmium, Serum/Plasma	\$61.00
0921TI	Cadmium, Tissue	\$332.00
0921U	Cadmium, Urine	\$64.00
0930B	Caffeine, Blood	\$153.00
0930FL	Caffeine, Fluid	\$355.00
0930SP	Caffeine, Serum/Plasma	\$153.00
0930U	Caffeine, Urine	\$153.00
0939B	Calcium - Total, Postmortem, Blood (Forensic)	\$125.00
0938FL	Calcium - Total, Postmortem, Fluid (Forensic)	\$291.00
0938R	Calcium - Total, RBCs	\$93.00

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0938U	Calcium - Total, Urine	\$153.00
0950B	Camphor, Blood	\$317.00
0950SP	Camphor, Serum/Plasma	\$317.00
0962B	Cannabidiol, Blood	\$375.00
0962SP	Cannabidiol, Serum/Plasma	\$375.00
0964U	Cannabinoid Metabolite, Urine	\$169.00
92250	Cannabinoids and Contaminants Profile - Send Out	\$618.00
0960ME	Cannabinoids Panel (Qualitative), Meconium	\$340.00
0960B	Cannabinoids Panel, Blood	\$247.00
0960FL	Cannabinoids Panel, Fluid	\$314.00
0960SP	Cannabinoids Panel, Serum/Plasma	\$247.00
0960TI	Cannabinoids Panel, Tissue	\$378.00
9356B	Cannabinoids Screen, Blood	\$106.00
9356FL	Cannabinoids Screen, Fluid	\$309.00
9356SP	Cannabinoids Screen, Serum/Plasma	\$106.00
9356U	Cannabinoids Screen, Urine	\$59.00
0966B	Cannabis Plus Recent Use Markers, Blood	\$357.00
0966SP	Cannabis Plus Recent Use Markers, Serum/Plasma	\$357.00
4207B	Canrenone (Spironolactone metabolite), Blood	\$317.00
4207SP	Canrenone (Spironolactone metabolite), Serum/Plasma	\$200.00
0971SP	Carbamazepine and Metabolite - Free, Serum/Plasma	\$110.00
0972SP	Carbamazepine and Metabolite - Total/Free/Bound, Serum/Plasma	\$200.00
0970B	Carbamazepine and Metabolite, Blood	\$101.00
0970FL	Carbamazepine and Metabolite, Fluid	\$307.00
0970SP	Carbamazepine and Metabolite, Serum/Plasma	\$171.00
0970TI	Carbamazepine and Metabolite, Tissue	\$375.00
0975SP	Carbamazepine-10,11-Epoxy, Serum/Plasma	\$125.00
0975U	Carbamazepine-10,11-Epoxy, Urine	\$78.00
0980SP	Carbaryl and Metabolite, Serum/Plasma	\$337.00
0985B	Carbinoxamine, Blood	\$172.00
0995U	Carbon Disulfide Exposure (TTCA), Urine	\$489.00
1006B	Carbon Monoxide - Iron Ratio Profile, Blood	\$484.00
1006TI	Carbon Monoxide - Iron Ratio Profile, Tissue	\$664.00
1002B	Carbon Monoxide Exposure Biouptake Screen, Blood	\$135.00
1009B	Carbon Monoxide Exposure, Blood	\$163.00
1005B	Carbon Monoxide Profile, Blood	\$215.00
1010B	Carbon Tetrachloride, Blood	\$252.00
1000B	Carboxy-, Met- and Sulf-Hemoglobin, Blood	\$119.00
1019B	Carbrital Profile, Blood	\$279.00
1019SP	Carbrital Profile, Serum/Plasma	\$445.00
9129B	Carisoprodol and Metabolite Screen, Blood	\$247.00
9129FL	Carisoprodol and Metabolite Screen, Fluid	\$411.00
9129SP	Carisoprodol and Metabolite Screen, Serum/Plasma	\$247.00
1030B	Carisoprodol and Metabolite, Blood	\$154.00
1030FL	Carisoprodol and Metabolite, Fluid	\$580.00
1030SP	Carisoprodol and Metabolite, Serum/Plasma	\$249.00

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Test	Test Name	List Price
1030U	Carisoprodol and Metabolite, Urine	\$154.00
1033ST	Cathartic Laxatives Profile, Stool	\$317.00
1029SP	CBD, Serum/Plasma	\$375.00
1055B	Celecoxib, Blood	\$428.00
1055SP	Celecoxib, Serum/Plasma	\$414.00
1056B	Cenobamate, Blood	\$172.00
1056SP	Cenobamate, Serum/Plasma	\$251.00
1042B	Cesium, Blood	\$168.00
1042SP	Cesium, Serum/Plasma	\$168.00
1042U	Cesium, Urine	\$273.00
1040B	Cetirizine, Blood	\$518.00
1040SP	Cetirizine, Serum/Plasma	\$498.00
1040U	Cetirizine, Urine	\$498.00
8031U	Child Drug Exposure Screen, Urine	\$500.00
9401B	Chloral Hydrate Screen, Blood	\$416.00
9401SP	Chloral Hydrate Screen, Serum/Plasma	\$416.00
9401U	Chloral Hydrate Screen, Urine	\$342.00
1044B	Chloral Hydrate, Blood	\$172.00
1044SP	Chloral Hydrate, Serum/Plasma	\$167.00
1044U	Chloral Hydrate, Urine	\$173.00
1050SP	Chloramphenicol, Serum/Plasma	\$128.00
1070B	Chlordane and Metabolites, Blood	\$177.00
1070SP	Chlordane and Metabolites, Serum/Plasma	\$177.00
1080B	Chlordiazepoxide and Metabolite, Blood	\$258.00
1080SP	Chlordiazepoxide and Metabolite, Serum/Plasma	\$272.00
1080U	Chlordiazepoxide and Metabolite, Urine	\$298.00
1111U	Chlorobenzene Exposure (p-Chlorophenol), Urine	\$270.00
1110B	Chlorobenzene, Blood	\$270.00
1110SP	Chlorobenzene, Serum/Plasma	\$169.00
1130B	Chloroform, Blood	\$193.00
0415SP	Chlorophacinone (Qualitative), Serum/Plasma	\$285.00
1140B	Chloroquine, Blood	\$452.00
1140P	Chloroquine, Plasma	\$274.00
1140U	Chloroquine, Urine	\$274.00
1180B	Chlorothiazide, Blood	\$226.00
1180SP	Chlorothiazide, Serum/Plasma	\$219.00
1190B	Chlorpheniramine, Blood	\$201.00
1190SP	Chlorpheniramine, Serum/Plasma	\$191.00
1190U	Chlorpheniramine, Urine	\$201.00
9136B	Chlorpromazine Screen, Blood	\$209.00
9136SP	Chlorpromazine Screen, Serum/Plasma	\$126.00
9136U	Chlorpromazine Screen, Urine	\$181.00
1210B	Chlorpromazine, Blood	\$123.00
8681B	Chlorpromazine, Blood	\$542.00
1210FL	Chlorpromazine, Fluid	\$442.00
1210SP	Chlorpromazine, Serum/Plasma	\$123.00

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1210TI	Chlorpromazine, Tissue	\$391.00
1210U	Chlorpromazine, Urine	\$204.00
1220SP	Chlorpropamide, Serum/Plasma	\$132.00
1250B	Chlorthalidone, Blood	\$138.00
1250SP	Chlorthalidone, Serum/Plasma	\$219.00
1255B	Chlorzoxazone, Blood	\$668.00
1255SP	Chlorzoxazone, Serum/Plasma	\$646.00
1265B	Chromium and Cobalt, Blood	\$196.00
1265SP	Chromium and Cobalt, Serum/Plasma	\$189.00
1265U	Chromium and Cobalt, Urine	\$189.00
1261B	Chromium, Blood	\$133.00
1261FL	Chromium, Fluid	\$330.00
1261H	Chromium, Hair	\$414.00
1261N	Chromium, Nails	\$414.00
1261R	Chromium, RBCs	\$133.00
1261SP	Chromium, Serum/Plasma	\$133.00
1261TI	Chromium, Tissue	\$395.00
1261U	Chromium, Urine	\$133.00
1262B	Cimetidine, Blood	\$214.00
1262SP	Cimetidine, Serum/Plasma	\$207.00
1262U	Cimetidine, Urine	\$214.00
1272B	Citalopram, Blood	\$193.00
1272FL	Citalopram, Fluid	\$395.00
1272SP	Citalopram, Serum/Plasma	\$193.00
1272TI	Citalopram, Tissue	\$462.00
1272U	Citalopram, Urine	\$308.00
7813B	Citrate Agar Confirmation - Send Out	\$184.00
1269SP	Clobazam and Metabolite, Serum/Plasma	\$165.00
1267B	Clobazam, Blood	\$276.00
1267U	Clobazam, Urine	\$276.00
9437B	Clomipramine and Metabolite Screen, Blood	\$209.00
9437SP	Clomipramine and Metabolite Screen, Serum/Plasma	\$209.00
9437U	Clomipramine and Metabolite Screen, Urine	\$126.00
1268B	Clomipramine and Metabolite, Blood	\$143.00
8707B	Clomipramine and Metabolite, Blood	\$542.00
1268SP	Clomipramine and Metabolite, Serum/Plasma	\$148.00
8707SP	Clomipramine and Metabolite, Serum/Plasma	\$328.00
1268TI	Clomipramine and Metabolite, Tissue	\$414.00
1268U	Clomipramine and Metabolite, Urine	\$146.00
9139B	Clonazepam and Metabolite Screen, Blood	\$289.00
9139FL	Clonazepam and Metabolite Screen, Fluid	\$257.00
9139SP	Clonazepam and Metabolite Screen, Serum/Plasma	\$290.00
9139U	Clonazepam and Metabolite Screen, Urine	\$184.00
1270B	Clonazepam and Metabolite, Blood	\$93.00
1270FL	Clonazepam and Metabolite, Fluid	\$129.00
1270SP	Clonazepam and Metabolite, Serum/Plasma	\$93.00

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Test	Test Name	List Price
1270TI	Clonazepam and Metabolite, Tissue	\$163.00
1270U	Clonazepam and Metabolite, Urine	\$93.00
1271U	Clonazepam & 8-Aminoclonazepam (Qualitative), Urine	\$325.00
1271B	Clonazepam & 8-Aminoclonazepam, Blood	\$325.00
1271SP	Clonazepam & 8-Aminoclonazepam, Serum/Plasma	\$325.00
1275B	Clonidine, Blood	\$293.00
1275SP	Clonidine, Serum/Plasma	\$293.00
1275U	Clonidine, Urine	\$442.00
1280U	Clorazepate as Metabolite, Urine	\$202.00
1287B	Clozapine and Metabolite, Blood	\$141.00
1287FL	Clozapine and Metabolite, Fluid	\$344.00
1287SP	Clozapine and Metabolite, Serum/Plasma	\$141.00
1287TI	Clozapine and Metabolite, Tissue	\$412.00
1287U	Clozapine and Metabolite, Urine	\$224.00
1290UH	Cobalt, 24 Hour Urine	\$132.00
1290B	Cobalt, Blood	\$110.00
1290FL	Cobalt, Fluid	\$307.00
1290H	Cobalt, Hair	\$467.00
1290N	Cobalt, Nails	\$467.00
1290R	Cobalt, RBCs	\$110.00
1290SP	Cobalt, Serum/Plasma	\$110.00
1290TI	Cobalt, Tissue	\$374.00
1290U	Cobalt, Urine	\$179.00
1300ME	Cocaine and Metabolites (Qualitative), Meconium	\$435.00
8893OF	Cocaine and Metabolites (Qualitative), Oral Fluid (Saliva)	\$68.00
0606B	Cocaine and Metabolites Screen, Blood	\$153.00
0606FL	Cocaine and Metabolites Screen, Fluid	\$319.00
6920H	Cocaine and Metabolites Screen, Hair	\$709.00
0606SP	Cocaine and Metabolites Screen, Serum/Plasma	\$96.00
0606U	Cocaine and Metabolites Screen, Urine	\$96.00
1300B	Cocaine and Metabolites, Blood	\$234.00
1300FL	Cocaine and Metabolites, Fluid	\$415.00
1300SP	Cocaine and Metabolites, Serum/Plasma	\$234.00
1300TI	Cocaine and Metabolites, Tissue	\$476.00
1300U	Cocaine and Metabolites, Urine	\$234.00
1303B	Cocaine and Products Panel, Blood	\$532.00
1303SP	Cocaine and Products Panel, Serum/Plasma	\$482.00
1303U	Cocaine and Products Panel, Urine	\$482.00
1306U	Codeine - Total (Conjugated/Unconjugated) Screen, Urine	\$226.00
8661B	Codeine and Metabolite - Free (Unconjugated), Blood	\$317.00
8661SP	Codeine and Metabolite - Free (Unconjugated), Serum/Plasma	\$210.00
8661U	Codeine and Metabolite - Total (Conjugated/Unconjugated), Urine	\$335.00
1320B	Colchicine, Blood	\$890.00
1320SP	Colchicine, Serum/Plasma	\$758.00
1320TI	Colchicine, Tissue	\$1,141.00
9145UC	Comprehensive Drug Screen, Umbilical Cord Tissue	\$716.00

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2423B	Comprehensive Volatiles Panel, Blood	\$495.00
2423TI	Comprehensive Volatiles Panel, Tissue	\$515.00
1333SP	Copper - Free, Serum/Plasma	\$101.00
1330B	Copper, Blood	\$56.00
1330FL	Copper, Fluid	\$257.00
1330H	Copper, Hair	\$413.00
1330R	Copper, RBCs	\$56.00
1330SP	Copper, Serum/Plasma	\$56.00
1330TI	Copper, Tissue	\$326.00
1330U	Copper, Urine	\$56.00
3157U	Cotinine and Anabasine from Secondary Exposure, Urine	\$252.00
1348U	Creatinine, Urine	\$43.00
9142B	Cyanide Screen, Blood	\$76.00
1380B	Cyanide, Blood	\$76.00
1390B	Cyclizine, Blood	\$277.00
1405B	Cyclobenzaprine, Blood	\$110.00
1405FL	Cyclobenzaprine, Fluid	\$313.00
1405SP	Cyclobenzaprine, Serum/Plasma	\$110.00
1405TI	Cyclobenzaprine, Tissue	\$381.00
1405U	Cyclobenzaprine, Urine	\$110.00
1407B	Cyclohexane, Blood	\$297.00
1410U	Cyclohexanol, Urine	\$244.00
1409B	Cyclohexanone, Blood	\$300.00
1409SP	Cyclohexanone, Serum/Plasma	\$289.00
1409U	Cyclohexanone, Urine	\$289.00
1415B	Cyclosporine, Blood	\$303.00
1425B	Cyproheptadine, Blood	\$286.00
1425SP	Cyproheptadine, Serum/Plasma	\$277.00
1425U	Cyproheptadine, Urine	\$223.00
1445SP	Dabigatran, Serum/Plasma	\$295.00
0275SP	Dalfampridine, Serum/Plasma	\$623.00
0275U	Dalfampridine, Urine	\$623.00
1439B	Dantrolene, Blood	\$323.00
1439SP	Dantrolene, Serum/Plasma	\$124.00
1440B	Dapsone and Metabolite, Blood	\$721.00
1440SP	Dapsone and Metabolite, Serum/Plasma	\$411.00
1470B	DDT, DDD and DDE, Blood	\$239.00
1470F	DDT, DDD and DDE, Fat	\$509.00
1470SP	DDT, DDD and DDE, Serum/Plasma	\$239.00
1479B	Delta-8 and Delta-9 Cannabinoids Panel (DUID/DRE), Blood (Forensic)	\$380.00
1478B	Delta-8 and Delta-9 Cannabinoids Panel, Blood	\$337.00
1476B	Delta-8 Cannabinoids Panel (DUID/DRE), Blood (Forensic)	\$278.00
1477B	Delta-8 Cannabinoids Panel, Blood	\$235.00
8892OF	Delta-9 THC (Qualitative), Oral Fluid (Saliva)	\$77.00
8900OF	Delta-9 THC (Quantitative), Oral Fluid (Saliva)	\$206.00
1483U	Desalkylgidazepam (Qualitative), Urine	\$325.00

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1483B	Desalkylgidazepam, Blood	\$325.00
1483SP	Desalkylgidazepam, Serum/Plasma	\$325.00
1481U	Deschloroetizolam, Meclonazepam, and Pyrazolam (Qualitative), Urine	\$345.00
1481B	Deschloroetizolam, Meclonazepam, and Pyrazolam, Blood	\$345.00
1481SP	Deschloroetizolam, Meclonazepam, and Pyrazolam, Serum/Plasma	\$345.00
0570U	Designer Benzodiazepines (Qualitative), Urine	\$347.00
0571B	Designer Benzodiazepines DUID/DRE Add-On, Blood (Forensic)	\$207.00
0570B	Designer Benzodiazepines, Blood	\$347.00
0570SP	Designer Benzodiazepines, Serum/Plasma	\$347.00
1480U	Designer Opioids (Qualitative), Urine	\$360.00
1480B	Designer Opioids, Blood	\$360.00
1480SP	Designer Opioids, Serum/Plasma	\$360.00
1490B	Desipramine, Blood	\$135.00
8704B	Desipramine, Blood	\$542.00
1490SP	Desipramine, Serum/Plasma	\$135.00
1490U	Desipramine, Urine	\$133.00
8704U	Desipramine, Urine	\$522.00
1496U	Desmethylsertraline, Urine	\$111.00
1491B	Desvenlafaxine, Blood	\$252.00
1491SP	Desvenlafaxine, Serum/Plasma	\$252.00
1491U	Desvenlafaxine, Urine	\$252.00
2915U	Dextro / Levo Methorphan - Total, Urine	\$216.00
9205U	Dextro / Levo Methorphan Screen - Total, Urine	\$212.00
9205SP	Dextro / Levo Methorphan Screen, Serum/Plasma	\$130.00
2915B	Dextro/Levo Methorphan, Blood	\$127.00
2915SP	Dextro/Levo Methorphan, Serum/Plasma	\$191.00
2915TI	Dextro/Levo Methorphan, Tissue	\$396.00
2917U	Dextromethorphan and Metabolite Ratio - Total, Urine	\$305.00
9206U	Dextrorphan / Levorphanol Screen - Total, Urine	\$282.00
2506B	Dextrorphan / Levorphanol Screen, Blood	\$481.00
2506SP	Dextrorphan / Levorphanol Screen, Serum/Plasma	\$463.00
1501B	Diazepam and Metabolites, Blood	\$181.00
1501SP	Diazepam and Metabolites, Serum/Plasma	\$181.00
1515B	Diazoxide, Blood	\$391.00
1515SP	Diazoxide, Serum/Plasma	\$477.00
1546B	Dichlorobenzenes, Blood	\$187.00
1546SP	Dichlorobenzenes, Serum/Plasma	\$310.00
1549U	Dichlorobenzidine, Urine	\$346.00
1550B	Dichloroethane, Blood	\$267.00
1560B	Dichloromethane and Carboxyhemoglobin, Blood	\$171.00
1561B	Dichloromethane, Blood	\$219.00
1561U	Dichloromethane, Urine	\$230.00
1567U	Dichlorophenol 2,5-, Urine	\$328.00
1569B	Diclofenac, Blood	\$355.00
1569SP	Diclofenac, Serum/Plasma	\$548.00
0416SP	Dicumarol (Qualitative), Serum/Plasma	\$391.00

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1575B	Dicyclomine, Blood	\$317.00
1575SP	Dicyclomine, Serum/Plasma	\$317.00
1575U	Dicyclomine, Urine	\$317.00
1580B	Dieldrin, Blood	\$210.00
1580SP	Dieldrin, Serum/Plasma	\$201.00
1590B	Diethyl Ether, Blood	\$182.00
1590SP	Diethyl Ether, Serum/Plasma	\$202.00
1589B	Diethylene Glycol, Blood	\$460.00
1589SP	Diethylene Glycol, Serum/Plasma	\$460.00
1589U	Diethylene Glycol, Urine	\$415.00
1482B	Diethyl-M-Toluamide, Blood	\$866.00
1482SP	Diethyl-M-Toluamide, Serum/Plasma	\$546.00
1482U	Diethyl-M-Toluamide, Urine	\$866.00
1600B	Diethylpropion, Blood	\$187.00
1600SP	Diethylpropion, Serum/Plasma	\$227.00
1600U	Diethylpropion, Urine	\$207.00
0417SP	Difenacoum (Qualitative), Serum/Plasma	\$205.00
1613SP	Digitoxin, Serum/Plasma	\$84.00
1615B	Digoxin, Blood	\$360.00
1615FL	Digoxin, Fluid	\$564.00
1615SP	Digoxin, Serum/Plasma	\$450.00
1615TI	Digoxin, Tissue	\$419.00
1615U	Digoxin, Urine	\$545.00
8662B	Dihydrocodeine - Free (Unconjugated), Blood	\$463.00
8662SP	Dihydrocodeine - Free (Unconjugated), Serum/Plasma	\$463.00
8662U	Dihydrocodeine - Total (Conjugated/Unconjugated), Urine	\$463.00
1640B	Diltiazem, Blood	\$317.00
1640SP	Diltiazem, Serum/Plasma	\$489.00
1640U	Diltiazem, Urine	\$489.00
1683SP	Dimethadione, Serum/Plasma	\$146.00
1690B	Dimethylsulfoxide, Blood	\$194.00
1690SP	Dimethylsulfoxide, Serum/Plasma	\$312.00
1690U	Dimethylsulfoxide, Urine	\$310.00
1740B	Dioxane-1,4, Blood	\$287.00
1740SP	Dioxane-1,4, Serum/Plasma	\$287.00
1740TI	Dioxane-1,4, Tissue	\$524.00
0418SP	Diphacinone (Qualitative), Serum/Plasma	\$285.00
1760B	Diphenhydramine, Blood	\$91.00
1760FL	Diphenhydramine, Fluid	\$296.00
1760SP	Diphenhydramine, Serum/Plasma	\$91.00
1760TI	Diphenhydramine, Tissue	\$366.00
1760U	Diphenhydramine, Urine	\$143.00
1777B	Dipyridamole, Blood	\$240.00
1777SP	Dipyridamole, Serum/Plasma	\$230.00
1789B	Diquat, Blood	\$1,973.00
1789SP	Diquat, Serum/Plasma	\$1,973.00

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9159B	Disopyramide Screen, Blood	\$209.00
9159SP	Disopyramide Screen, Serum/Plasma	\$181.00
1790SP	Disulfiram (DEDTC Metabolite) (Qualitative), Serum/Plasma	\$401.00
1804SP	Diuretics Panel, Serum/Plasma	\$137.00
9318U	Diuretics Screen, Urine	\$188.00
1812B	Donepezil, Blood	\$364.00
1812FL	Donepezil, Fluid	\$429.00
1812SP	Donepezil, Serum/Plasma	\$364.00
1905B	Dothiepin, Blood	\$683.00
1815B	Doxazosin, Blood	\$774.00
1815SP	Doxazosin, Serum/Plasma	\$483.00
9435B	Doxepin and Metabolite Screen, Blood	\$212.00
9435U	Doxepin and Metabolite Screen, Urine	\$204.00
1810B	Doxepin and Metabolite, Blood	\$138.00
8705B	Doxepin and Metabolite, Blood	\$469.00
1810FL	Doxepin and Metabolite, Fluid	\$341.00
1810SP	Doxepin and Metabolite, Serum/Plasma	\$161.00
1810TI	Doxepin and Metabolite, Tissue	\$416.00
1810U	Doxepin and Metabolite, Urine	\$153.00
8705U	Doxepin and Metabolite, Urine	\$328.00
9163B	Doxylamine Screen, Blood	\$185.00
9163SP	Doxylamine Screen, Serum/Plasma	\$130.00
1817B	Doxylamine, Blood	\$183.00
1817FL	Doxylamine, Fluid	\$386.00
1817SP	Doxylamine, Serum/Plasma	\$201.00
1817TI	Doxylamine, Tissue	\$421.00
1817U	Doxylamine, Urine	\$201.00
1826SP	Dronabinol, Serum/Plasma	\$398.00
1828B	Dronedarone, Blood	\$177.00
1828SP	Dronedarone, Serum/Plasma	\$177.00
8030B	Drug Facilitated Crime Panel, Blood (Forensic)	\$530.00
8030SP	Drug Facilitated Crime Panel, Serum/Plasma (Forensic)	\$530.00
8030U	Drug Facilitated Crime Panel, Urine (Forensic)	\$530.00
1876B	Drug Screen - Expanded, Blood	\$410.00
1876FL	Drug Screen - Expanded, Fluid	\$597.00
1876SP	Drug Screen - Expanded, Serum/Plasma	\$410.00
1876U	Drug Screen - Expanded, Urine	\$410.00
1874B	Drug Screen (10 Panel), Blood	\$376.00
1874U	Drug Screen (9 Panel), Urine	\$376.00
8098B	Drug Screen (GC/MS), Blood	\$540.00
8098SP	Drug Screen (GC/MS), Serum/Plasma	\$523.00
8098U	Drug Screen (GC/MS), Urine	\$520.00
1858B	Drugs of Abuse (10 Panel) and Alcohol Screen, Blood	\$125.00
8091B	Drugs of Abuse (10 Panel) and Alcohol Screen, Blood	\$435.00
8101B	Drugs of Abuse (10 Panel) and Alcohol Screen, Blood	\$182.00
1858FL	Drugs of Abuse (10 Panel) and Alcohol Screen, Fluid	\$356.00

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8091FL	Drugs of Abuse (10 Panel) and Alcohol Screen, Fluid	\$617.00
8101FL	Drugs of Abuse (10 Panel) and Alcohol Screen, Fluid	\$384.00
1858SP	Drugs of Abuse (10 Panel) and Alcohol Screen, Serum/Plasma	\$125.00
8091SP	Drugs of Abuse (10 Panel) and Alcohol Screen, Serum/Plasma	\$435.00
8101SP	Drugs of Abuse (10 Panel) and Alcohol Screen, Serum/Plasma	\$182.00
1858TI	Drugs of Abuse (10 Panel) and Alcohol Screen, Tissue	\$423.00
8091TI	Drugs of Abuse (10 Panel) and Alcohol Screen, Tissue	\$684.00
8091U	Drugs of Abuse (11 Panel) and Alcohol Screen, Urine	\$435.00
8101U	Drugs of Abuse (11 Panel) and Alcohol Screen, Urine	\$182.00
8898OF	Drugs of Abuse (6 Panel) (Qualitative), Oral Fluid (Saliva)	\$90.00
8897OF	Drugs of Abuse (7 Panel) (Qualitative), Oral Fluid (Saliva)	\$140.00
1858U	Drugs of Abuse (9 Panel) and Alcohol Screen, Urine	\$154.00
8096B	Drugs of Abuse Screen (10 Panel), Blood	\$420.00
1864ME	Drugs of Abuse Screen (10 Panel), Meconium	\$218.00
8096SP	Drugs of Abuse Screen (10 Panel), Serum/Plasma	\$420.00
1864U	Drugs of Abuse Screen (10 Panel), Urine	\$107.00
1864B	Drugs of Abuse Screen (11 Panel), Blood	\$116.00
1864FL	Drugs of Abuse Screen (11 Panel), Fluid	\$348.00
1864SP	Drugs of Abuse Screen (11 Panel), Serum/Plasma	\$116.00
1864TI	Drugs of Abuse Screen (11 Panel), Tissue	\$553.00
8096U	Drugs of Abuse Screen (11 Panel), Urine	\$673.00
6943H	Drugs of Abuse Screen (6 Panel), Hair	\$581.00
1861U	Drugs of Abuse Screen (6 Panel), Urine	\$207.00
1861B	Drugs of Abuse Screen (7 Panel), Blood	\$207.00
6904ME	Drugs of Abuse Screen (7 Panel), Meconium	\$186.00
6946H	Drugs of Abuse Screen (9 Panel), Hair	\$694.00
8158B	DUID/DRE Expanded Drug Screen (w/Alcohol), Blood (Forensic)	\$439.00
8152B	DUID/DRE Expanded Drug Screen Add-On, Blood (Forensic)	\$160.00
8075U	DUID/DRE Expanded Drug Screen Add-On, Urine (Forensic)	\$146.00
8159B	DUID/DRE Expanded Drug Screen, Blood (Forensic)	\$419.00
8082B	DUID/DRE Inhalants Add-On, Blood (Forensic)	\$321.00
8151B	DUID/DRE Panel (w/Alcohol), Blood (Forensic)	\$351.00
8070U	DUID/DRE Panel (w/Alcohol), Urine (Forensic)	\$287.00
8150B	DUID/DRE Panel, Blood (Forensic)	\$331.00
8071U	DUID/DRE Panel, Urine (Forensic)	\$265.00
4666B	Duloxetine, Blood	\$257.00
4666SP	Duloxetine, Serum/Plasma	\$257.00
1900B	Dyazide, Blood	\$403.00
1900SP	Dyazide, Serum/Plasma	\$244.00
1919FL	Electrolytes and Glucose Panel (Vitreous), Fluid (Forensic)	\$114.00
7025U	Electrolytes Panel, Urine - Send Out	\$118.00
1920B	Endrin, Blood	\$166.00
1920SP	Endrin, Serum/Plasma	\$166.00
1923B	Enflurane, Blood	\$374.00
8103B	Environmental Exposure Screen, Blood	\$880.00
9165B	Ephedrine Screen, Blood	\$172.00

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1950B	Ephedrine, Blood	\$191.00
1950SP	Ephedrine, Serum/Plasma	\$205.00
1950U	Ephedrine, Urine	\$205.00
4023B	Ephedrine Panel, Blood	\$298.00
4023SP	Ephedrine Panel, Serum/Plasma	\$285.00
4023U	Ephedrine Panel, Urine	\$272.00
2022SP	Eplerenone, Serum/Plasma	\$160.00
1965B	Escitalopram, Blood	\$308.00
1965FL	Escitalopram, Fluid	\$341.00
1965SP	Escitalopram, Serum/Plasma	\$193.00
1965U	Escitalopram, Urine	\$308.00
1958B	Estazolam, Blood	\$429.00
1958SP	Estazolam, Serum/Plasma	\$429.00
1958U	Estazolam, Urine	\$429.00
1968B	Eszopiclone / Zopiclone, Blood	\$460.00
1968SP	Eszopiclone / Zopiclone, Serum/Plasma	\$318.00
1968TI	Eszopiclone / Zopiclone, Tissue	\$419.00
1968U	Eszopiclone / Zopiclone, Urine	\$318.00
1959SP	Ethambutol, Serum/Plasma	\$215.00
7542B	Ethanol - Title 17, Blood - Send Out	\$137.00
7542SP	Ethanol - Title 17, Serum/Plasma - Send Out	\$137.00
7542U	Ethanol - Title 17, Urine - Send Out	\$137.00
1970U	Ethchlorvynol Overdose, Urine	\$538.00
1970SP	Ethchlorvynol, Serum/Plasma	\$401.00
1980B	Ethinamate, Blood	\$100.00
1980SP	Ethinamate, Serum/Plasma	\$153.00
9171B	Ethosuximide Screen, Blood	\$146.00
9171SP	Ethosuximide Screen, Serum/Plasma	\$209.00
9171U	Ethosuximide Screen, Urine	\$146.00
2000B	Ethosuximide, Blood	\$146.00
2000SP	Ethosuximide, Serum/Plasma	\$189.00
2000U	Ethosuximide, Urine	\$194.00
2010B	Ethotoin, Blood	\$404.00
2010SP	Ethotoin, Serum/Plasma	\$146.00
9146UC	Ethyl Glucuronide Screen, Umbilical Cord Tissue	\$326.00
9361U	Ethyl Glucuronide Screen, Urine	\$154.00
2081B	Ethyl Glucuronide, Blood	\$341.00
2081U	Ethyl Glucuronide, Urine	\$154.00
9025U	Ethyl Sulfate Screen, Urine	\$163.00
2029U	Ethylbenzene Exposure Biouptake, Urine	\$239.00
2030B	Ethylbenzene, Blood	\$221.00
1038B	Ethylene Glycol Monobutyl Ether, Blood	\$327.00
1038SP	Ethylene Glycol Monobutyl Ether, Serum/Plasma	\$211.00
1039B	Ethylene Glycol Monoethyl Ether, Blood	\$337.00
1039SP	Ethylene Glycol Monoethyl Ether, Serum/Plasma	\$204.00
2055B	Ethylene Glycol Overexposure Profile, Blood	\$407.00

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2055SP	Ethylene Glycol Overexposure Profile, Serum/Plasma	\$420.00
2062B	Ethylene Glycol, Blood	\$244.00
2062FL	Ethylene Glycol, Fluid	\$312.00
2062SP	Ethylene Glycol, Serum/Plasma	\$153.00
2062TI	Ethylene Glycol, Tissue	\$333.00
2062U	Ethylene Glycol, Urine	\$205.00
2064SP	Ethylmorphine, Serum/Plasma	\$386.00
2067B	Etodolac, Blood	\$800.00
2067SP	Etodolac, Serum/Plasma	\$773.00
2063B	Etomidate, Blood	\$373.00
2063FL	Etomidate, Fluid	\$558.00
2063P	Etomidate, Plasma	\$414.00
1022U	Eutylone (Qualitative), Urine	\$281.00
1022B	Eutylone, Blood	\$281.00
1022SP	Eutylone, Serum/Plasma	\$281.00
1022TI	Eutylone, Tissue	\$519.00
2066B	Everolimus, Blood	\$208.00
9352UC	Expanded Drug Screen, Umbilical Cord Tissue	\$563.00
4025SP	Ezogabine and Metabolite, Serum/Plasma	\$258.00
2068B	Famotidine, Blood	\$775.00
2069B	Felbamate, Blood	\$477.00
2069SP	Felbamate, Serum/Plasma	\$201.00
2082SP	Fenoprofen, Serum/Plasma	\$446.00
2079ME	Fentanyl and Metabolite (Qualitative), Meconium	\$372.00
9176B	Fentanyl and Metabolite Screen, Blood	\$127.00
9176FL	Fentanyl and Metabolite Screen, Fluid	\$327.00
9176SP	Fentanyl and Metabolite Screen, Serum/Plasma	\$127.00
9176TI	Fentanyl and Metabolite Screen, Tissue	\$396.00
2079B	Fentanyl and Metabolite, Blood	\$127.00
2079FL	Fentanyl and Metabolite, Fluid	\$162.00
2079SP	Fentanyl and Metabolite, Serum/Plasma	\$127.00
2079TI	Fentanyl and Metabolite, Tissue	\$195.00
2079U	Fentanyl and Metabolite, Urine	\$127.00
9291H	Fentanyl Screen, Hair	\$1,194.00
2073B	Fexofenadine, Blood	\$1,033.00
2073SP	Fexofenadine, Serum/Plasma	\$851.00
6303B	Firefighter Core Baseline Profile, Blood	\$328.00
6303U	Firefighter Core Baseline Profile, Urine	\$506.00
2088B	Flecainide, Blood	\$209.00
2088SP	Flecainide, Serum/Plasma	\$200.00
2088U	Flecainide, Urine	\$126.00
2089B	Fluconazole, Blood	\$680.00
2089SP	Fluconazole, Serum/Plasma	\$438.00
2085SP	Flucytosine, Serum/Plasma	\$438.00
9341B	Flunitrazepam and Metabolites Screen, Blood	\$257.00
9341SP	Flunitrazepam and Metabolites Screen, Serum/Plasma	\$257.00

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Test	Test Name	List Price
9341TI	Flunitrazepam and Metabolites Screen, Tissue	\$357.00
9341U	Flunitrazepam and Metabolites Screen, Urine	\$257.00
2041U	Flunitrazepam and Metabolites, Urine	\$313.00
2092B	Fluoride Preservative Determination, Blood	\$469.00
2090LI	Fluoride Preservative Determination, Liquid	\$484.00
2090B	Fluoride, Blood	\$205.00
2090FL	Fluoride, Fluid	\$205.00
2090SP	Fluoride, Serum/Plasma	\$118.00
2090U	Fluoride, Urine	\$89.00
2100B	Fluorocarbon 113, Blood	\$446.00
2100TI	Fluorocarbon 113, Tissue	\$371.00
9179B	Fluoxetine and Metabolite Screen, Blood	\$204.00
9179SP	Fluoxetine and Metabolite Screen, Serum/Plasma	\$193.00
9179U	Fluoxetine and Metabolite Screen, Urine	\$204.00
2105B	Fluoxetine and Metabolite, Blood	\$119.00
2105FL	Fluoxetine and Metabolite, Fluid	\$197.00
2105SP	Fluoxetine and Metabolite, Serum/Plasma	\$191.00
2105TI	Fluoxetine and Metabolite, Tissue	\$185.00
2105U	Fluoxetine and Metabolite, Urine	\$116.00
2110B	Fluphenazine, Blood	\$197.00
2115SP	Fluphenazine, Serum/Plasma	\$114.00
2110TI	Fluphenazine, Tissue	\$439.00
2120B	Flurazepam and Metabolites, Blood	\$298.00
2120SP	Flurazepam and Metabolites, Serum/Plasma	\$354.00
2120U	Flurazepam as Metabolites, Urine	\$354.00
2095SP	Flurbiprofen, Serum/Plasma	\$184.00
2124B	Fluvoxamine, Blood	\$193.00
2124FL	Fluvoxamine, Fluid	\$395.00
2124SP	Fluvoxamine, Serum/Plasma	\$123.00
2124U	Fluvoxamine, Urine	\$123.00
2134B	Formic Acid, Blood	\$135.00
2134SP	Formic Acid, Serum/Plasma	\$135.00
2134U	Formic Acid, Urine	\$166.00
2136B	Fosphenytoin as Metabolite, Blood	\$153.00
2136SP	Fosphenytoin as Metabolite, Serum/Plasma	\$153.00
2140B	Furosemide, Blood	\$212.00
2140SP	Furosemide, Serum/Plasma	\$134.00
2140U	Furosemide, Urine	\$212.00
2143B	Gabapentin, Blood	\$144.00
2143FL	Gabapentin, Fluid	\$332.00
2143SP	Gabapentin, Serum/Plasma	\$144.00
2143TI	Gabapentin, Tissue	\$387.00
2143U	Gabapentin, Urine	\$195.00
2148B	Galantamine, Blood	\$371.00
2148SP	Galantamine, Serum/Plasma	\$371.00
2150B	Gallium, Blood	\$413.00

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2150SP	Gallium, Serum/Plasma	\$251.00
2150U	Gallium, Urine	\$251.00
9326B	Gamma-Hydroxybutyric Acid Screen, Blood	\$293.00
9326FL	Gamma-Hydroxybutyric Acid Screen, Fluid	\$328.00
9326SP	Gamma-Hydroxybutyric Acid Screen, Serum/Plasma	\$293.00
9326U	Gamma-Hydroxybutyric Acid Screen, Urine	\$293.00
2187SP	Ganaxolone, Serum/Plasma	\$463.00
2162B	Ganciclovir, Blood	\$265.00
2154SP	Ganciclovir, Serum/Plasma	\$244.00
2154U	Ganciclovir, Urine	\$615.00
2156SP	Germanium, Serum/Plasma	\$395.00
2156U	Germanium, Urine	\$379.00
2159B	Glimepiride, Blood	\$132.00
2159SP	Glimepiride, Serum/Plasma	\$132.00
2158B	Glipizide, Blood	\$450.00
2158SP	Glipizide, Serum/Plasma	\$270.00
2164FL	Glucose (Vitreous), Fluid (Forensic)	\$24.00
7027SP	Glucose, Serum/Plasma - Send Out	\$101.00
7027U	Glucose, Urine - Send Out	\$103.00
9443B	Glutethimide Screen, Blood	\$183.00
9443SP	Glutethimide Screen, Serum/Plasma	\$210.00
2160B	Glutethimide, Blood	\$146.00
2160SP	Glutethimide, Serum/Plasma	\$191.00
2163SP	Glyburide, Serum/Plasma	\$210.00
2165B	Glycols Panel, Blood	\$318.00
2165FL	Glycols Panel, Fluid	\$594.00
2165LI	Glycols Panel, Liquid	\$647.00
2165SP	Glycols Panel, Serum/Plasma	\$318.00
2165TI	Glycols Panel, Tissue	\$688.00
2165U	Glycols Panel, Urine	\$604.00
2171B	Gold, Blood	\$89.00
2171SP	Gold, Serum/Plasma	\$89.00
2171U	Gold, Urine	\$89.00
7029O	Gram Stain (GRST) - Send Out	\$103.00
2180SP	Griseofulvin, Serum/Plasma	\$611.00
2185B	Guaifenesin, Blood	\$395.00
2185SP	Guaifenesin, Serum/Plasma	\$395.00
2185TI	Guaifenesin, Tissue	\$539.00
2185U	Guaifenesin, Urine	\$395.00
2186B	Guanfacine, Blood	\$295.00
2186SP	Guanfacine, Serum/Plasma	\$295.00
2186U	Guanfacine, Urine	\$295.00
HAIR KIT	Hair Kit/ Forensic	\$18.00
HAIRSEG	Hair Segmentation	\$182.00
HAIRSEG2	Hair Segmentation II	\$182.00
8758B	Hallucinogens Screen, Blood	\$257.00

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Test	Test Name	List Price
8758SP	Hallucinogens Screen, Serum/Plasma	\$314.00
8758U	Hallucinogens Screen, Urine	\$257.00
2212B	Halocarbons Panel, Blood	\$273.00
9182B	Haloperidol Screen, Blood	\$148.00
9182SP	Haloperidol Screen, Serum/Plasma	\$133.00
2220B	Haloperidol, Blood	\$101.00
2220FL	Haloperidol, Fluid	\$292.00
2220SP	Haloperidol, Serum/Plasma	\$166.00
2220TI	Haloperidol, Tissue	\$375.00
2220U	Haloperidol, Urine	\$292.00
7814B	Hemoglobin Cascade Confirmation - Send Out	\$330.00
7812B	Hemoglobinopathy Screen (HGEL) - Send Out	\$112.00
7026B	Hepatitis A Antibody, Blood - Send Out	\$142.00
7072B	Hepatitis B Core Antibody, Blood - Send Out	\$107.00
7047B	Hepatitis B Surface Antibody, Blood - Send Out	\$170.00
7048B	Hepatitis B Surface Antigen Confirmatory Assay, Blood - Send Out	\$438.00
7053B	Hepatitis B Surface Antigen, Blood - Send Out	\$95.00
7049B	Hepatitis C Antibody, Blood - Send Out	\$105.00
2260SP	Heptachlor and Metabolite, Serum/Plasma	\$127.00
2270B	Heptane, n-, Blood	\$297.00
2270SP	Heptane, n-, Serum/Plasma	\$327.00
2278B	Herbicides Panel 2, Blood	\$299.00
2278SP	Herbicides Panel 2, Serum/Plasma	\$299.00
2278U	Herbicides Panel 2, Urine	\$299.00
2276B	Heroin Metabolites - Free (Unconjugated), Blood	\$308.00
2276SP	Heroin Metabolites - Free (Unconjugated), Serum/Plasma	\$308.00
2276U	Heroin Metabolites - Free (Unconjugated), Urine	\$308.00
9343B	Heroin Screen, Blood	\$182.00
9343SP	Heroin Screen, Serum/Plasma	\$112.00
9343U	Heroin Screen, Urine	\$112.00
2283B	Hexachlorobenzene, Blood	\$193.00
2283SP	Hexachlorobenzene, Serum/Plasma	\$193.00
2290B	Hexane, n-, Blood	\$182.00
2290SP	Hexane, n-, Serum/Plasma	\$289.00
2291U	Hexanol, 1 and 2-, Urine	\$348.00
2306U	Hippuric Acid and Methylhippuric Acid, Urine	\$204.00
2300U	Hippuric Acid, Urine	\$115.00
7033B	HIV-1/HIV-2 Plus O EIA - Send Out	\$96.00
7086O	Human metapneumovirus (HMPVP) - Send Out	\$1,013.00
2308SP	Hydralazine, Serum/Plasma	\$746.00
2321B	Hydrocarbon and Oxygenated Volatiles Panel, Blood	\$114.00
2321FL	Hydrocarbon and Oxygenated Volatiles Panel, Fluid	\$185.00
2321TI	Hydrocarbon and Oxygenated Volatiles Panel, Tissue	\$230.00
2321U	Hydrocarbon and Oxygenated Volatiles Panel, Urine	\$175.00
2330B	Hydrochlorothiazide, Blood	\$212.00
2330SP	Hydrochlorothiazide, Serum/Plasma	\$212.00

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2330U	Hydrochlorothiazide, Urine	\$212.00
2340B	Hydrocodone - Free (Unconjugated), Blood	\$170.00
2340FL	Hydrocodone - Free (Unconjugated), Fluid	\$166.00
2340SP	Hydrocodone - Free (Unconjugated), Serum/Plasma	\$170.00
8663B	Hydrocodone and Metabolites - Free (Unconjugated), Blood	\$247.00
8663FL	Hydrocodone and Metabolites - Free (Unconjugated), Fluid	\$314.00
8663SP	Hydrocodone and Metabolites - Free (Unconjugated), Serum/Plasma	\$247.00
8663TI	Hydrocodone and Metabolites - Total (Conjugated/Unconjugated), Tissue	\$348.00
8663U	Hydrocodone and Metabolites - Total (Conjugated/Unconjugated), Urine	\$247.00
9332B	Hydrocodone Screen, Blood	\$183.00
9332SP	Hydrocodone Screen, Serum/Plasma	\$183.00
8664B	Hydromorphone - Free (Unconjugated), Blood	\$410.00
8664FL	Hydromorphone - Free (Unconjugated), Fluid	\$348.00
8664SP	Hydromorphone - Free (Unconjugated), Serum/Plasma	\$410.00
8664TI	Hydromorphone - Free (Unconjugated), Tissue	\$381.00
8664U	Hydromorphone - Total (Conjugated/Unconjugated), Urine	\$256.00
2362B	Hydroxychloroquine, Blood	\$270.00
2362FL	Hydroxychloroquine, Fluid	\$305.00
2362SP	Hydroxychloroquine, Serum/Plasma	\$270.00
2362TI	Hydroxychloroquine, Tissue	\$339.00
2362U	Hydroxychloroquine, Urine	\$387.00
2365B	Hydroxyzine and Metabolite, Blood	\$127.00
2365FL	Hydroxyzine and Metabolite, Fluid	\$335.00
2365SP	Hydroxyzine and Metabolite, Serum/Plasma	\$201.00
2365U	Hydroxyzine and Metabolite, Urine	\$201.00
2365TI	Hydroxyzine, Tissue	\$372.00
2369B	Hyoscyamine, Blood	\$334.00
2369SP	Hyoscyamine, Serum/Plasma	\$209.00
2369U	Hyoscyamine, Urine	\$209.00
4261B	Hypoglycemic Panel, Blood	\$407.00
4261SP	Hypoglycemic Panel, Serum/Plasma	\$407.00
2390B	Ibuprofen, Blood	\$133.00
2390FL	Ibuprofen, Fluid	\$335.00
2390SP	Ibuprofen, Serum/Plasma	\$133.00
2390TI	Ibuprofen, Tissue	\$356.00
2390U	Ibuprofen, Urine	\$100.00
2395B	Iloperidone, Blood	\$207.00
2395SP	Iloperidone, Serum/Plasma	\$207.00
9434B	Imipramine and Metabolite Screen, Blood	\$130.00
9434SP	Imipramine and Metabolite Screen, Serum/Plasma	\$204.00
9434U	Imipramine and Metabolite Screen, Urine	\$212.00
2400B	Imipramine and Metabolite, Blood	\$123.00
8703B	Imipramine and Metabolite, Blood	\$542.00
2400SP	Imipramine and Metabolite, Serum/Plasma	\$132.00
8703SP	Imipramine and Metabolite, Serum/Plasma	\$522.00
2400U	Imipramine and Metabolite, Urine	\$88.00

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8703U	Imipramine and Metabolite, Urine	\$328.00
7028SP	Immunoglobulin E, Serum/Plasma - Send Out	\$101.00
2397SP	Indapamide, Serum/Plasma	\$169.00
2406B	Indium, Blood	\$219.00
2406R	Indium, RBCs	\$146.00
2406SP	Indium, Serum/Plasma	\$219.00
2406U	Indium, Urine	\$146.00
2410B	Indomethacin, Blood	\$171.00
2410SP	Indomethacin, Serum/Plasma	\$161.00
2410U	Indomethacin, Urine	\$171.00
2412B	Inhalants Panel, Alkane Gases, Blood	\$187.00
2412TI	Inhalants Panel, Alkane Gases, Tissue	\$273.00
2421B	Inhalants Panel, Anesthetics, Blood	\$821.00
2414B	Inhalants Panel, Halocarbons, Blood	\$206.00
2414TI	Inhalants Panel, Halocarbons, Tissue	\$307.00
2411B	Inhalants Panel, Solvents, Blood	\$110.00
2411TI	Inhalants Panel, Solvents, Tissue	\$216.00
6364R	Inorganic Panel 64, RBCs	\$486.00
2428U	Iodine - Total, Urine	\$134.00
2428FL	Iodine, Fluid	\$322.00
2428SP	Iodine, Serum/Plasma	\$134.00
2425B	Ipecac Use Markers Screen, Blood	\$1,098.00
2425FL	Ipecac Use Markers Screen, Fluid	\$1,145.00
2425SP	Ipecac Use Markers Screen, Serum/Plasma	\$930.00
2425U	Ipecac Use Markers Screen, Urine	\$1,098.00
2430UH	Iron, 24 Hour Urine	\$76.00
2430B	Iron, Blood	\$76.00
2430SP	Iron, Serum/Plasma	\$76.00
2430ST	Iron, Stool	\$273.00
2430U	Iron, Urine	\$76.00
2457SP	Isavuconazole, Serum/Plasma	\$449.00
2436SP	Isobutanol, Serum/Plasma	\$150.00
2437B	Isoflurane, Blood	\$193.00
2440SP	Isoniazid, Serum/Plasma	\$217.00
2445B	Isopropanol and Acetone, Blood	\$74.00
2445SP	Isopropanol and Acetone, Serum/Plasma	\$74.00
2445U	Isopropanol and Acetone, Urine	\$74.00
2458SP	Isotretinoin and Metabolite, Serum/Plasma	\$266.00
2456SP	Isotretinoin, Serum/Plasma	\$233.00
2460B	Itraconazole, Blood	\$721.00
2460SP	Itraconazole, Serum/Plasma	\$462.00
9188B	Ketamine and Metabolite Screen, Blood	\$114.00
9188SP	Ketamine and Metabolite Screen, Serum/Plasma	\$114.00
9188U	Ketamine and Metabolite Screen, Urine	\$114.00
2479B	Ketamine and Metabolite, Blood	\$123.00
2479FL	Ketamine and Metabolite, Fluid	\$188.00

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2479SP	Ketamine and Metabolite, Serum/Plasma	\$123.00
2479TI	Ketamine and Metabolite, Tissue	\$391.00
2479U	Ketamine and Metabolite, Urine	\$118.00
9190B	Ketoacidosis Screen, Postmortem, Blood (Forensic)	\$169.00
9190FL	Ketoacidosis Screen, Postmortem, Fluid (Forensic)	\$237.00
2485B	Ketoconazole, Blood	\$555.00
2485SP	Ketoconazole, Serum/Plasma	\$414.00
2480SP	Ketone Bodies Panel, Serum/Plasma	\$326.00
2481B	Ketone Panel, Blood	\$349.00
2481FL	Ketone Panel, Fluid	\$301.00
2481U	Ketone Panel, Urine	\$349.00
2486B	Ketoprofen, Blood	\$439.00
2486SP	Ketoprofen, Serum/Plasma	\$454.00
2482B	Ketorolac, Blood	\$407.00
2482FL	Ketorolac, Fluid	\$568.00
2482SP	Ketorolac, Serum/Plasma	\$407.00
2488B	Labetalol, Blood	\$589.00
2488FL	Labetalol, Fluid	\$654.00
2488SP	Labetalol, Serum/Plasma	\$404.00
2527B	Lacosamide, Blood	\$205.00
2527FL	Lacosamide, Fluid	\$405.00
2527SP	Lacosamide, Serum/Plasma	\$205.00
2527U	Lacosamide, Urine	\$205.00
2484B	Lamotrigine, Blood	\$89.00
2484FL	Lamotrigine, Fluid	\$279.00
2484SP	Lamotrigine, Serum/Plasma	\$89.00
2484U	Lamotrigine, Urine	\$137.00
2499U	Laxatives Panel (Qualitative), Urine	\$330.00
81868B	LC-TOF Add-On (Qualitative), Blood	\$105.00
81868SP	LC-TOF Add-On (Qualitative), Serum/Plasma	\$105.00
81868U	LC-TOF Add-On (Qualitative), Urine	\$105.00
2490B	Lead and ZPP, Blood	\$69.00
2492UH	Lead, 24 Hour Urine	\$98.00
2492B	Lead, Blood	\$48.00
2492FL	Lead, Fluid	\$249.00
2492H	Lead, Hair	\$404.00
2492LI	Lead, Liquid	\$154.00
2492N	Lead, Nails	\$404.00
2492R	Lead, RBCs	\$82.00
2492SP	Lead, Serum/Plasma	\$98.00
2492TI	Lead, Tissue	\$317.00
2492U	Lead, Urine	\$98.00
2532B	Leflunomide as Metabolite (Pre-Pregnancy Monitoring), Blood	\$333.00
2532SP	Leflunomide as Metabolite (Pre-Pregnancy Monitoring), Serum/Plasma	\$333.00
2531B	Leflunomide as Metabolite (Therapeutic Drug Monitoring), Blood	\$333.00
2531SP	Leflunomide as Metabolite (Therapeutic Drug Monitoring), Serum/Plasma	\$333.00

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92260	Legal Alcohol (TCME 2300) - Send Out	\$231.00
2501B	Levamisole, Blood	\$313.00
2501SP	Levamisole, Serum/Plasma	\$313.00
2501U	Levamisole, Urine	\$313.00
2505B	Levetiracetam, Blood	\$134.00
2505SP	Levetiracetam, Serum/Plasma	\$134.00
2517B	Levocetirizine, Blood	\$524.00
2517SP	Levocetirizine, Serum/Plasma	\$579.00
2504SP	Levodopa, Serum/Plasma	\$234.00
9317B	Lidocaine and Metabolite (MEGX) Screen, Blood	\$242.00
9317SP	Lidocaine and Metabolite (MEGX) Screen, Serum/Plasma	\$234.00
9317U	Lidocaine and Metabolite (MEGX) Screen, Urine	\$234.00
2512B	Lidocaine and Metabolite (MEGX), Blood	\$191.00
2512FL	Lidocaine and Metabolite (MEGX), Fluid	\$393.00
2512SP	Lidocaine and Metabolite (MEGX), Serum/Plasma	\$183.00
2512TI	Lidocaine and Metabolite (MEGX), Tissue	\$461.00
2512U	Lidocaine and Metabolite (MEGX), Urine	\$183.00
2511SP	Lidocaine, Serum/Plasma	\$93.00
2516B	Lindane, Blood	\$439.00
2516SP	Lindane, Serum/Plasma	\$252.00
2800B	Lisdexamfetamine as Metabolite, Blood	\$224.00
2800SP	Lisdexamfetamine as Metabolite, Serum/Plasma	\$249.00
2800U	Lisdexamfetamine as Metabolite, Urine	\$247.00
2520B	Lithium, Blood	\$56.00
2520FL	Lithium, Fluid	\$257.00
2520R	Lithium, RBCs	\$88.00
2520SP	Lithium, Serum/Plasma	\$56.00
2520TI	Lithium, Tissue	\$326.00
2520U	Lithium, Urine	\$56.00
2533B	Loperamide and Metabolite, Blood	\$400.00
2533SP	Loperamide and Metabolite, Serum/Plasma	\$400.00
2525B	Loratadine and Metabolite, Blood	\$292.00
2525SP	Loratadine and Metabolite, Serum/Plasma	\$463.00
2525U	Loratadine and Metabolite, Urine	\$463.00
2535B	Lorazepam, Blood	\$177.00
2535FL	Lorazepam, Fluid	\$344.00
2535SP	Lorazepam, Serum/Plasma	\$109.00
2535U	Lorazepam, Urine	\$166.00
2538B	Loxapine, Blood	\$454.00
2538SP	Loxapine, Serum/Plasma	\$290.00
2538U	Loxapine, Urine	\$427.00
2541B	LSD Screen, Blood	\$92.00
2541SP	LSD Screen, Serum/Plasma	\$146.00
2541U	LSD Screen, Urine	\$92.00
2540B	LSD Trace Analysis, Blood	\$381.00
2540SP	LSD Trace Analysis, Serum/Plasma	\$370.00

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2540U	LSD Trace Analysis, Urine	\$233.00
2543B	Lurasidone, Blood	\$202.00
2543SP	Lurasidone, Serum/Plasma	\$202.00
2551B	Magnesium - Total, Blood	\$60.00
2551FL	Magnesium - Total, Fluid	\$261.00
2551H	Magnesium - Total, Hair	\$416.00
2551R	Magnesium - Total, RBCs	\$60.00
2551SP	Magnesium - Total, Serum/Plasma	\$60.00
2551ST	Magnesium - Total, Stool	\$416.00
2551TI	Magnesium - Total, Tissue	\$263.00
2551U	Magnesium - Total, Urine	\$113.00
2570B	Manganese, Blood	\$99.00
2570FL	Manganese, Fluid	\$298.00
2570H	Manganese, Hair	\$454.00
2570LI	Manganese, Liquid	\$564.00
2570N	Manganese, Nails	\$688.00
2570R	Manganese, RBCs	\$99.00
2570SP	Manganese, Serum/Plasma	\$99.00
2570TI	Manganese, Tissue	\$366.00
2570U	Manganese, Urine	\$99.00
2573B	Maprotiline, Blood	\$384.00
2573SP	Maprotiline, Serum/Plasma	\$371.00
2573U	Maprotiline, Urine	\$234.00
9196SP	Meclizine Screen, Serum/Plasma	\$191.00
2590B	Meclizine, Blood	\$204.00
2590SP	Meclizine, Serum/Plasma	\$177.00
2590TI	Meclizine, Tissue	\$444.00
2595B	Mefloquine, Blood	\$734.00
2595SP	Mefloquine, Serum/Plasma	\$511.00
2604B	Melatonin, Blood	\$281.00
2604FL	Melatonin, Fluid	\$463.00
2604SP	Melatonin, Serum/Plasma	\$281.00
2604TI	Melatonin, Tissue	\$519.00
2604U	Melatonin, Urine	\$281.00
2581B	Memantine, Blood	\$364.00
2581SP	Memantine, Serum/Plasma	\$364.00
2605B	Menthol, Blood	\$310.00
2605SP	Menthol, Serum/Plasma	\$446.00
9440B	Meperidine and Metabolite Screen, Blood	\$204.00
9440SP	Meperidine and Metabolite Screen, Serum/Plasma	\$130.00
2610B	Meperidine and Metabolite, Blood	\$201.00
8721B	Meperidine and Metabolite, Blood	\$533.00
2610SP	Meperidine and Metabolite, Serum/Plasma	\$201.00
8721SP	Meperidine and Metabolite, Serum/Plasma	\$464.00
2610U	Meperidine and Metabolite, Urine	\$127.00
8721U	Meperidine and Metabolite, Urine	\$513.00

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9444U	Meperidine Screen, Urine	\$92.00
9200SP	Mepivacaine Screen, Serum/Plasma	\$221.00
2640B	Mepivacaine, Blood	\$185.00
2640SP	Mepivacaine, Serum/Plasma	\$180.00
2650B	Meprobamate, Blood	\$270.00
2650SP	Meprobamate, Serum/Plasma	\$162.00
2650U	Meprobamate, Urine	\$258.00
2665B	Mercaptopurine and Metabolites, Blood	\$275.00
2670UH	Mercury, 24 Hour Urine	\$74.00
2670B	Mercury, Blood	\$53.00
2670FL	Mercury, Fluid	\$257.00
2670H	Mercury, Hair	\$599.00
2670LI	Mercury, Liquid	\$260.00
2670N	Mercury, Nails	\$413.00
2670R	Mercury, RBCs	\$53.00
2670SP	Mercury, Serum/Plasma	\$53.00
2670TI	Mercury, Tissue	\$326.00
2670U	Mercury, Urine	\$119.00
2680B	Mescaline Screen, Blood	\$135.00
2680SP	Mescaline Screen, Serum/Plasma	\$211.00
2680U	Mescaline Screen, Urine	\$135.00
2679B	Mescaline, Blood	\$463.00
2679SP	Mescaline, Serum/Plasma	\$462.00
2679U	Mescaline, Urine	\$291.00
2689SP	Mesoridazine, Serum/Plasma	\$204.00
2664UH	Metals Panel 4 (Arsenic, Cadmium, Lead, Mercury), 24 Hour Urine	\$364.00
2664U	Metals Panel 4 (Arsenic, Cadmium, Lead, Mercury), Urine	\$364.00
2693B	Metals/Metalloids Acute Poisoning Panel, Blood	\$447.00
2693FL	Metals/Metalloids Acute Poisoning Panel, Fluid	\$654.00
2693H	Metals/Metalloids Acute Poisoning Panel, Hair	\$636.00
2693R	Metals/Metalloids Acute Poisoning Panel, RBCs	\$447.00
2693SP	Metals/Metalloids Acute Poisoning Panel, Serum/Plasma	\$447.00
2693TI	Metals/Metalloids Acute Poisoning Panel, Tissue	\$697.00
2693U	Metals/Metalloids Acute Poisoning Panel, Urine	\$447.00
2661B	Metals/Metalloids Panel 1, Blood	\$261.00
2661H	Metals/Metalloids Panel 1, Hair	\$485.00
2661N	Metals/Metalloids Panel 1, Nails	\$485.00
2661SP	Metals/Metalloids Panel 1, Serum/Plasma	\$289.00
2661U	Metals/Metalloids Panel 1, Urine	\$299.00
2662B	Metals/Metalloids Panel 2, Blood	\$364.00
2662H	Metals/Metalloids Panel 2, Hair	\$561.00
2662N	Metals/Metalloids Panel 2, Nails	\$561.00
2662SP	Metals/Metalloids Panel 2, Serum/Plasma	\$364.00
2662U	Metals/Metalloids Panel 2, Urine	\$575.00
2663B	Metals/Metalloids Panel 3, Blood	\$403.00
2663H	Metals/Metalloids Panel 3, Hair	\$607.00

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2663N	Metals/Metalloids Panel 3, Nails	\$607.00
2663SP	Metals/Metalloids Panel 3, Serum/Plasma	\$415.00
2663U	Metals/Metalloids Panel 3, Urine	\$642.00
2720B	Metaxalone, Blood	\$227.00
2720SP	Metaxalone, Serum/Plasma	\$227.00
2720U	Metaxalone, Urine	\$227.00
2740B	Metformin, Blood	\$173.00
2740FL	Metformin, Fluid	\$372.00
2740SP	Metformin, Serum/Plasma	\$173.00
2740U	Metformin, Urine	\$260.00
2760ME	Methadone and Metabolite (Qualitative), Meconium	\$344.00
8894OF	Methadone and Metabolite (Qualitative), Oral Fluid (Saliva)	\$68.00
8722B	Methadone and Metabolite, Blood	\$258.00
8722FL	Methadone and Metabolite, Fluid	\$327.00
8722SP	Methadone and Metabolite, Serum/Plasma	\$258.00
8722TI	Methadone and Metabolite, Tissue	\$359.00
8722U	Methadone and Metabolite, Urine	\$258.00
9324B	Methadone Screen, Blood	\$148.00
9324SP	Methadone Screen, Serum/Plasma	\$146.00
9324U	Methadone Screen, Urine	\$143.00
9522B	Methamphetamine and Amphetamine Screen, Blood	\$172.00
9522SP	Methamphetamine and Amphetamine Screen, Serum/Plasma	\$172.00
9522U	Methamphetamine and Amphetamine Screen, Urine	\$103.00
2810B	Methamphetamine and Metabolite, Blood	\$234.00
2810FL	Methamphetamine and Metabolite, Fluid	\$387.00
2810SP	Methamphetamine and Metabolite, Serum/Plasma	\$154.00
2810U	Methamphetamine and Metabolite, Urine	\$189.00
2745B	Methane, Blood	\$579.00
2836U	Methanol Exposure Profile, Urine	\$182.00
2837B	Methanol Poisoning Profile, Blood	\$429.00
2837SP	Methanol Poisoning Profile, Serum/Plasma	\$444.00
2835B	Methanol, Blood	\$125.00
2835FL	Methanol, Fluid	\$191.00
2835SP	Methanol, Serum/Plasma	\$78.00
2835U	Methanol, Urine	\$78.00
2849B	Methaqualone, Blood	\$298.00
2849SP	Methaqualone, Serum/Plasma	\$181.00
2849U	Methaqualone, Urine	\$181.00
2860B	Metharbital and Metabolite, Blood	\$404.00
2860SP	Metharbital and Metabolite, Serum/Plasma	\$200.00
2860U	Metharbital and Metabolite, Urine	\$404.00
2863SP	Methazolamide, Serum/Plasma	\$183.00
2887B	Methemoglobin, Blood	\$201.00
2892B	Methimazole, Blood	\$445.00
2892SP	Methimazole, Serum/Plasma	\$219.00
2900B	Methocarbamol, Blood	\$162.00

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2900FL	Methocarbamol, Fluid	\$364.00
2900SP	Methocarbamol, Serum/Plasma	\$166.00
0649SP	Methotrexate, Serum/Plasma	\$204.00
2930B	Methoxychlor, Blood	\$146.00
2950B	Methsuximide as Metabolite, Blood	\$435.00
2950SP	Methsuximide as Metabolite, Serum/Plasma	\$153.00
2970B	Methyl Bromide as Metabolite, Blood	\$101.00
2970SP	Methyl Bromide as Metabolite, Serum/Plasma	\$166.00
2970U	Methyl Bromide as Metabolite, Urine	\$166.00
4630B	Methyl Chloroform, Blood	\$201.00
2990B	Methyl Ethyl Ketone, Blood	\$143.00
2990SP	Methyl Ethyl Ketone, Serum/Plasma	\$91.00
2990U	Methyl Ethyl Ketone, Urine	\$66.00
2982B	Methyl Isobutyl Ketone, Blood	\$247.00
2982U	Methyl Isobutyl Ketone, Urine	\$247.00
2984U	Methyl n-Butyl Ketone Exposure Monitoring, Urine	\$160.00
2980B	Methyl n-Butyl Ketone, Blood	\$172.00
2051B	Methyl Tertiary Butyl Ether and Metabolite, Blood	\$462.00
2051U	Methyl Tertiary Butyl Ether and Metabolite, Urine	\$713.00
2050B	Methyl Tertiary Butyl Ether, Blood	\$469.00
3005B	Methylchloroform Exposure, Blood	\$143.00
3005SP	Methylchloroform Exposure, Serum/Plasma	\$143.00
3006U	Methylchloroform, Urine	\$221.00
2986U	Methylenedianiline, Urine	\$431.00
2584B	Methylenedioxyamphetamine, Blood	\$411.00
2584SP	Methylenedioxyamphetamine, Serum/Plasma	\$249.00
2584U	Methylenedioxyamphetamine, Urine	\$249.00
9293B	Methylenedioxymethamphetamine and Metabolite Screen, Blood	\$143.00
9293SP	Methylenedioxymethamphetamine and Metabolite Screen, Serum/Plasma	\$219.00
9293U	Methylenedioxymethamphetamine and Metabolite Screen, Urine	\$143.00
2585B	Methylenedioxymethamphetamine and Metabolite, Blood	\$378.00
2585SP	Methylenedioxymethamphetamine and Metabolite, Serum/Plasma	\$378.00
2585U	Methylenedioxymethamphetamine and Metabolite, Urine	\$239.00
9193U	Methylphenidate and Metabolite Screen, Urine	\$239.00
3020B	Methylphenidate and Metabolite, Blood	\$126.00
3020SP	Methylphenidate and Metabolite, Serum/Plasma	\$126.00
3020TI	Methylphenidate and Metabolite, Tissue	\$226.00
3020U	Methylphenidate and Metabolite, Urine	\$126.00
3041B	Metoclopramide, Blood	\$578.00
3041SP	Metoclopramide, Serum/Plasma	\$578.00
3041U	Metoclopramide, Urine	\$578.00
3042B	Metolazone, Blood	\$226.00
3042SP	Metolazone, Serum/Plasma	\$219.00
3043B	Metoprolol, Blood	\$147.00
3043FL	Metoprolol, Fluid	\$215.00
3043SP	Metoprolol, Serum/Plasma	\$238.00

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3043U	Metoprolol, Urine	\$238.00
3048SP	Metribuzin, Serum/Plasma	\$445.00
3050B	Metronidazole, Blood	\$389.00
3050SP	Metronidazole, Serum/Plasma	\$371.00
9211B	Mexiletine Screen, Blood	\$270.00
9211SP	Mexiletine Screen, Serum/Plasma	\$258.00
3055B	Mexiletine, Blood	\$615.00
3055SP	Mexiletine, Serum/Plasma	\$103.00
MICRO	Micro Specimen Surcharge	\$91.00
3057U	Midazolam as Metabolite, Urine	\$123.00
3057B	Midazolam, Blood	\$123.00
3057FL	Midazolam, Fluid	\$188.00
3057SP	Midazolam, Serum/Plasma	\$193.00
3061B	Milnacipran/Levomilnacipran, Blood	\$205.00
3061SP	Milnacipran/Levomilnacipran, Serum/Plasma	\$205.00
3061U	Milnacipran/Levomilnacipran, Urine	\$205.00
3066B	Mineral Profile, Blood	\$587.00
3066R	Mineral Profile, RBCs	\$379.00
3066SP	Mineral Profile, Serum/Plasma	\$379.00
3075B	Mirtazapine, Blood	\$127.00
3075SP	Mirtazapine, Serum/Plasma	\$127.00
3075U	Mirtazapine, Urine	\$201.00
3059B	Mitotane, Blood	\$494.00
3059SP	Mitotane, Serum/Plasma	\$147.00
3078U	Mitragynine (Qualitative), Urine	\$180.00
3064B	Mitragynine, Blood	\$188.00
3064SP	Mitragynine, Serum/Plasma	\$188.00
3081U	MOCA and MDA Exposure Profile, Urine	\$289.00
3080U	MOCA, Urine	\$414.00
3045B	Modafinil / Armodafinil, Blood	\$238.00
3045SP	Modafinil / Armodafinil, Serum/Plasma	\$147.00
3082B	Molindone, Blood	\$397.00
3082SP	Molindone, Serum/Plasma	\$134.00
3082U	Molindone, Urine	\$134.00
3090B	Molybdenum, Blood	\$76.00
3090H	Molybdenum, Hair	\$431.00
3090R	Molybdenum, RBCs	\$76.00
3090SP	Molybdenum, Serum/Plasma	\$76.00
3090U	Molybdenum, Urine	\$88.00
3098U	Mono-n-butyl phthalate (MNBP), Urine	\$285.00
3092SP	Moricizine, Serum/Plasma	\$189.00
8666B	Morphine - Free (Unconjugated), Blood	\$359.00
8666FL	Morphine - Free (Unconjugated), Fluid	\$312.00
8666SP	Morphine - Free (Unconjugated), Serum/Plasma	\$251.00
8666U	Morphine - Free (Unconjugated), Urine	\$398.00
8673B	Morphine - Free and Total, Blood	\$496.00

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8673SP	Morphine - Free and Total, Serum/Plasma	\$546.00
8673U	Morphine - Free and Total, Urine	\$546.00
8672B	Morphine - Total (Conjugated/Unconjugated), Blood	\$221.00
8672SP	Morphine - Total (Conjugated/Unconjugated), Serum/Plasma	\$221.00
8672U	Morphine - Total (Conjugated/Unconjugated), Urine	\$221.00
3085B	Morphine and Glucuronide Metabolites, Blood	\$344.00
3085SP	Morphine and Glucuronide Metabolites, Serum/Plasma	\$344.00
3063B	Mycophenolic Acid and Metabolite, Blood	\$524.00
3063SP	Mycophenolic Acid and Metabolite, Serum/Plasma	\$378.00
3063U	Mycophenolic Acid and Metabolite, Urine	\$524.00
3060U	N,N-Dimethylacetamide Exposure (N-Methylacetamide), Urine	\$713.00
3070U	N,N-Dimethylformamide (DMF) Exposure (N-Monomethylformamide), Urine	\$274.00
3218B	N,N-Dimethylpentylone & Pentylone, Blood	\$325.00
3218SP	N,N-Dimethylpentylone & Pentylone, Serum/Plasma	\$325.00
3218U	N,N-Dimethylpentylone & Pentylone, Urine	\$325.00
3107B	Nabumetone as Metabolite, Blood	\$204.00
3107SP	Nabumetone as Metabolite, Serum/Plasma	\$193.00
3107U	Nabumetone as Metabolite, Urine	\$204.00
3103B	Nadolol, Blood	\$238.00
3103SP	Nadolol, Serum/Plasma	\$238.00
3103U	Nadolol, Urine	\$244.00
3110B	Nalbuphine - Free (Unconjugated), Blood	\$333.00
3110SP	Nalbuphine - Free (Unconjugated), Serum/Plasma	\$513.00
3110U	Nalbuphine - Total (Conjugated/Unconjugated), Urine	\$529.00
3111B	Naloxone - Free (Unconjugated), Blood	\$93.00
3111SP	Naloxone - Free (Unconjugated), Serum/Plasma	\$93.00
3113U	Naloxone - Total (Conjugated/Unconjugated) Screen, Urine	\$344.00
3111U	Naloxone - Total (Conjugated/Unconjugated), Urine	\$93.00
3116B	Naltrexone and Metabolite - Free (Unconjugated), Blood	\$467.00
3116SP	Naltrexone and Metabolite - Free (Unconjugated), Serum/Plasma	\$450.00
3116U	Naltrexone and Metabolite - Total (Conjugated/Unconjugated), Urine	\$452.00
3130B	Naproxen, Blood	\$114.00
3130FL	Naproxen, Fluid	\$317.00
3130SP	Naproxen, Serum/Plasma	\$183.00
3130U	Naproxen, Urine	\$183.00
3118B	Nateglinide, Blood	\$132.00
3118SP	Nateglinide, Serum/Plasma	\$132.00
3145B	Nefazodone, Blood	\$169.00
3145SP	Nefazodone, Serum/Plasma	\$154.00
3145U	Nefazodone, Urine	\$103.00
2292U	n-Hexane Exposure Monitoring, Urine	\$300.00
3140B	Nickel, Blood	\$76.00
3140FL	Nickel, Fluid	\$273.00
3140H	Nickel, Hair	\$431.00
3140N	Nickel, Nails	\$431.00
3140R	Nickel, RBCs	\$124.00

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3140SP	Nickel, Serum/Plasma	\$76.00
3140TI	Nickel, Tissue	\$341.00
3140U	Nickel, Urine	\$106.00
9404B	Nicotine and Metabolite Screen, Blood	\$148.00
9404SP	Nicotine and Metabolite Screen, Serum/Plasma	\$103.00
9404U	Nicotine and Metabolite with Anabasine Screen, Urine	\$111.00
3150U	Nicotine and Metabolite with Anabasine, Urine	\$127.00
3150B	Nicotine and Metabolite, Blood	\$109.00
3150FL	Nicotine and Metabolite, Fluid	\$312.00
3150SP	Nicotine and Metabolite, Serum/Plasma	\$109.00
3150TI	Nicotine and Metabolite, Tissue	\$379.00
3158B	Nifedipine, Blood	\$332.00
3158SP	Nifedipine, Serum/Plasma	\$370.00
3168B	Nitazenes Panel, Blood	\$363.00
3168SP	Nitazenes Panel, Serum/Plasma	\$363.00
3174B	Nitrate/Nitrite (Qualitative), Blood (Forensic)	\$341.00
3174SP	Nitrate/Nitrite (Qualitative), Serum/Plasma	\$341.00
9215B	Nitrazepam and Metabolite Screen, Blood	\$261.00
9215SP	Nitrazepam and Metabolite Screen, Serum/Plasma	\$182.00
3175B	Nitrazepam and Metabolite, Blood	\$447.00
3175SP	Nitrazepam and Metabolite, Serum/Plasma	\$431.00
3175U	Nitrazepam and Metabolite, Urine	\$273.00
3214A	Nitrous Oxide, Air	\$539.00
3214B	Nitrous Oxide, Blood	\$507.00
3214FL	Nitrous Oxide, Fluid	\$565.00
3214TI	Nitrous Oxide, Tissue	\$607.00
3214U	Nitrous Oxide, Urine	\$539.00
8054B	NMS TotalTox™ Panel, Blood (Forensic)	\$572.00
NONBIO/LIQ	Non-biological Fee (Liquid)	\$140.00
NONBIO/SOL	Non-biological Fee (Solid)	\$206.00
3223SP	Nonsteroidal Anti-Inflammatory Drug Panel, Serum/Plasma	\$439.00
3216B	Nordiazepam and Metabolite, Blood	\$303.00
3216SP	Nordiazepam and Metabolite, Serum/Plasma	\$303.00
3216U	Nordiazepam and Metabolite, Urine	\$290.00
9433B	Nortriptyline Screen, Blood	\$123.00
9433U	Nortriptyline Screen, Urine	\$88.00
3220B	Nortriptyline, Blood	\$132.00
8702B	Nortriptyline, Blood	\$513.00
3220FL	Nortriptyline, Fluid	\$320.00
3220SP	Nortriptyline, Serum/Plasma	\$132.00
3220TI	Nortriptyline, Tissue	\$402.00
3220U	Nortriptyline, Urine	\$87.00
8702U	Nortriptyline, Urine	\$513.00
8756B	Novel Psychoactive Substances (NPS) Screen 1, Blood	\$374.00
8756SP	Novel Psychoactive Substances (NPS) Screen 1, Serum/Plasma	\$374.00
8756U	Novel Psychoactive Substances (NPS) Screen 1, Urine	\$374.00

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3224B	NPS Stimulants (Qualitative), Blood	\$275.00
3224SP	NPS Stimulants (Qualitative), Serum/Plasma	\$172.00
3224U	NPS Stimulants (Qualitative), Urine	\$172.00
3225SP	Nuedexta®, Serum/Plasma	\$386.00
1352U	o-Cresol, Urine	\$180.00
3226B	Olanzapine and Metabolite, Blood	\$352.00
3226SP	Olanzapine and Metabolite, Serum/Plasma	\$184.00
3226FL	Olanzapine, Fluid	\$529.00
3226TI	Olanzapine, Tissue	\$593.00
3232B	Omeprazole / Esomeprazole, Blood	\$615.00
3232SP	Omeprazole / Esomeprazole, Serum/Plasma	\$702.00
3241B	Opiates - Free (Unconjugated), Blood	\$471.00
8660B	Opiates - Free (Unconjugated), Blood	\$308.00
8660FL	Opiates - Free (Unconjugated), Fluid	\$375.00
8660SP	Opiates - Free (Unconjugated), Serum/Plasma	\$308.00
8660TI	Opiates - Free (Unconjugated), Tissue	\$410.00
8660U	Opiates - Free (Unconjugated), Urine	\$249.00
8671B	Opiates - Free and Total, Blood	\$520.00
8671SP	Opiates - Free and Total, Serum/Plasma	\$520.00
8671U	Opiates - Free and Total, Urine	\$520.00
8670ME	Opiates - Total (Conjugated/Unconjugated) (Qualitative), Meconium	\$359.00
8670B	Opiates - Total (Conjugated/Unconjugated), Blood	\$303.00
8670FL	Opiates - Total (Conjugated/Unconjugated), Fluid	\$337.00
8670SP	Opiates - Total (Conjugated/Unconjugated), Serum/Plasma	\$303.00
8670TI	Opiates - Total (Conjugated/Unconjugated), Tissue	\$469.00
8670U	Opiates - Total (Conjugated/Unconjugated), Urine	\$303.00
8895OF	Opiates (Qualitative), Oral Fluid (Saliva)	\$68.00
3236B	Opiates Screen, Blood	\$92.00
3236FL	Opiates Screen, Fluid	\$297.00
6923H	Opiates Screen, Hair	\$474.00
3236SP	Opiates Screen, Serum/Plasma	\$146.00
3236TI	Opiates Screen, Tissue	\$368.00
3236U	Opiates Screen, Urine	\$96.00
3243B	Organochlorine Pesticides, Blood	\$200.00
3243F	Organochlorine Pesticides, Fat	\$672.00
3243SP	Organochlorine Pesticides, Serum/Plasma	\$200.00
3243TI	Organochlorine Pesticides, Tissue	\$564.00
9219B	Orphenadrine Screen, Blood	\$237.00
3248B	Orphenadrine, Blood	\$205.00
3248SP	Orphenadrine, Serum/Plasma	\$212.00
3248U	Orphenadrine, Urine	\$204.00
1355U	o-Toluidine, Urine	\$318.00
3250SP	Oxalate, Serum/Plasma	\$181.00
3250U	Oxalate, Urine	\$260.00
3286B	Oxaprozin, Blood	\$487.00
3286SP	Oxaprozin, Serum/Plasma	\$533.00

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3260B	Oxazepam, Blood	\$298.00
3260SP	Oxazepam, Serum/Plasma	\$285.00
3260U	Oxazepam, Urine	\$258.00
3265B	Oxcarbazepine / Eslicarbazepine Acetate as Metabolite, Blood	\$92.00
3265FL	Oxcarbazepine / Eslicarbazepine Acetate as Metabolite, Fluid	\$282.00
3265SP	Oxcarbazepine / Eslicarbazepine Acetate as Metabolite, Serum/Plasma	\$92.00
3266B	Oxybutynin, Blood	\$481.00
3266SP	Oxybutynin, Serum/Plasma	\$513.00
3266U	Oxybutynin, Urine	\$513.00
3270B	Oxycodone - Free (Unconjugated), Blood	\$127.00
3270FL	Oxycodone - Free (Unconjugated), Fluid	\$195.00
3270SP	Oxycodone - Free (Unconjugated), Serum/Plasma	\$127.00
8667B	Oxycodone and Metabolite - Free (Unconjugated), Blood	\$156.00
8667FL	Oxycodone and Metabolite - Free (Unconjugated), Fluid	\$191.00
8667SP	Oxycodone and Metabolite - Free (Unconjugated), Serum/Plasma	\$156.00
8667TI	Oxycodone and Metabolite - Total (Conjugated/Unconjugated), Tissue	\$290.00
8667U	Oxycodone and Metabolite - Total (Conjugated/Unconjugated), Urine	\$156.00
9132B	Oxycodone Screen, Blood	\$201.00
9132SP	Oxycodone Screen, Serum/Plasma	\$201.00
8668B	Oxymorphone - Free (Unconjugated), Blood	\$371.00
8668SP	Oxymorphone - Free (Unconjugated), Serum/Plasma	\$370.00
8668U	Oxymorphone - Total (Conjugated/Unconjugated), Urine	\$233.00
4113B	Paliperidone, Blood	\$258.00
4113SP	Paliperidone, Serum/Plasma	\$162.00
4113TI	Paliperidone, Tissue	\$404.00
4113U	Paliperidone, Urine	\$270.00
3292B	Palladium, Blood	\$216.00
3292SP	Palladium, Serum/Plasma	\$180.00
3292U	Palladium, Urine	\$180.00
9222B	Papaverine Screen, Blood	\$172.00
3300B	Papaverine, Blood	\$321.00
3300SP	Papaverine, Serum/Plasma	\$290.00
3310B	Paraldehyde and Metabolite, Blood	\$181.00
3310SP	Paraldehyde and Metabolite, Serum/Plasma	\$118.00
3310U	Paraldehyde and Metabolite, Urine	\$188.00
3320SP	Paramethadione, Serum/Plasma	\$201.00
3325B	Paraquat, Blood	\$1,973.00
3325SP	Paraquat, Serum/Plasma	\$1,973.00
3360B	Paroxetine, Blood	\$112.00
3360FL	Paroxetine, Fluid	\$316.00
3360SP	Paroxetine, Serum/Plasma	\$112.00
3360TI	Paroxetine, Tissue	\$384.00
3360U	Paroxetine, Urine	\$182.00
3371SP	PCB Panel, Congeners, Serum/Plasma	\$150.00
3381SP	Penciclovir, Serum/Plasma	\$383.00
3385B	Pentachlorophenol, Blood	\$281.00

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3385SP	Pentachlorophenol, Serum/Plasma	\$281.00
3384U	Pentachlorophenol, Urine	\$267.00
9441B	Pentazocine Screen, Blood	\$130.00
9441SP	Pentazocine Screen, Serum/Plasma	\$205.00
9441U	Pentazocine Screen, Urine	\$212.00
3400B	Pentazocine, Blood	\$130.00
8723B	Pentazocine, Blood	\$328.00
3400FL	Pentazocine, Fluid	\$334.00
3400SP	Pentazocine, Serum/Plasma	\$201.00
3400TI	Pentazocine, Tissue	\$374.00
3400U	Pentazocine, Urine	\$127.00
3410B	Pentobarbital, Blood	\$143.00
3410SP	Pentobarbital, Serum/Plasma	\$143.00
3410U	Pentobarbital, Urine	\$89.00
3433FL	Perampanel, Fluid	\$494.00
3433SP	Perampanel, Serum/Plasma	\$243.00
3432U	Perchloroethylene Exposure, Urine	\$174.00
3436B	Percodan®, Blood	\$191.00
3436SP	Percodan®, Serum/Plasma	\$191.00
3427SP	Perfluoroalkyl Substances (PFAS), Serum/Plasma	\$450.00
3428SP	PFASure TM, Serum/Plasma	\$490.00
10070SP	Perfluorooctanoic Acid (Low Level), Serum/Plasma	\$610.00
3426B	Perfluorooctanoic Acid, Blood	\$637.00
3440B	Perphenazine, Blood	\$182.00
3440SP	Perphenazine, Serum/Plasma	\$112.00
3510B	Phenacetin and Metabolite, Blood	\$137.00
3510U	Phenacetin and Metabolite, Urine	\$274.00
3525B	Phenazopyridine, Blood	\$204.00
3525SP	Phenazopyridine, Serum/Plasma	\$228.00
3525U	Phenazopyridine, Urine	\$228.00
8761ME	Phencyclidine (Qualitative), Meconium	\$422.00
8896OF	Phencyclidine and Dextromethorphan (Qualitative), Oral Fluid (Saliva)	\$68.00
3532B	Phencyclidine Screen, Blood	\$161.00
3532FL	Phencyclidine Screen, Fluid	\$360.00
6925H	Phencyclidine Screen, Hair	\$482.00
3532SP	Phencyclidine Screen, Serum/Plasma	\$181.00
3532U	Phencyclidine Screen, Urine	\$96.00
8761B	Phencyclidine, Blood	\$348.00
8761FL	Phencyclidine, Fluid	\$302.00
8761SP	Phencyclidine, Serum/Plasma	\$435.00
8761TI	Phencyclidine, Tissue	\$339.00
8761U	Phencyclidine, Urine	\$348.00
3550B	Phenelzine, Blood	\$905.00
3550SP	Phenelzine, Serum/Plasma	\$905.00
3550U	Phenelzine, Urine	\$905.00
3560B	Pheniramine, Blood	\$242.00

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3582SP	Phenobarbital - Total/Unbound/Bound, Serum/Plasma	\$193.00
3581SP	Phenobarbital - Unbound, Serum/Plasma	\$123.00
9416B	Phenobarbital Screen, Blood	\$212.00
3580B	Phenobarbital, Blood	\$137.00
8633B	Phenobarbital, Blood	\$542.00
3580SP	Phenobarbital, Serum/Plasma	\$143.00
8633SP	Phenobarbital, Serum/Plasma	\$469.00
8633U	Phenobarbital, Urine	\$328.00
3621B	Phenol - Free and Total, Blood	\$166.00
3621SP	Phenol - Free and Total, Serum/Plasma	\$166.00
3621U	Phenol Exposure, Urine	\$130.00
3623B	Phenol, Free, Blood	\$133.00
3623SP	Phenol, Free, Serum/Plasma	\$133.00
3624B	Phenol, Total, Blood	\$133.00
9233B	Phensuximide Screen, Blood	\$146.00
9233U	Phensuximide Screen, Urine	\$146.00
3680B	Phensuximide, Blood	\$298.00
3680SP	Phensuximide, Serum/Plasma	\$200.00
3680U	Phensuximide, Urine	\$404.00
3690B	Phentermine, Blood	\$221.00
3690SP	Phentermine, Serum/Plasma	\$141.00
3690U	Phentermine, Urine	\$224.00
3704SP	Phenylephrine, Serum/Plasma	\$415.00
3707B	Phenylethylmalonamide, Blood	\$587.00
3707SP	Phenylethylmalonamide, Serum/Plasma	\$193.00
9237U	Phenylpropanolamine Screen, Urine	\$188.00
3720B	Phenylpropanolamine, Blood	\$169.00
3720SP	Phenylpropanolamine, Serum/Plasma	\$162.00
3720U	Phenylpropanolamine, Urine	\$162.00
3740B	Phenyltoloxamine, Blood	\$198.00
3740SP	Phenyltoloxamine, Serum/Plasma	\$119.00
3743B	Phenytoin, Blood	\$118.00
3743FL	Phenytoin, Fluid	\$319.00
3743SP	Phenytoin, Serum/Plasma	\$106.00
3743TI	Phenytoin, Tissue	\$387.00
3752B	Phosphatidylethanol, Blood	\$132.00
3765B	Phosphorus - Total, Blood	\$265.00
3765FL	Phosphorus - Total, Fluid	\$469.00
3765SP	Phosphorus - Total, Serum/Plasma	\$265.00
3765ST	Phosphorus - Total, Stool	\$223.00
3765U	Phosphorus - Total, Urine	\$265.00
3099U	Phthalates Panel, Urine	\$381.00
3776B	Pimozide, Blood	\$464.00
3776SP	Pimozide, Serum/Plasma	\$464.00
3779B	Pioglitazone, Blood	\$132.00
3779SP	Pioglitazone, Serum/Plasma	\$132.00

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3781B	Piroxicam, Blood	\$516.00
3781SP	Piroxicam, Serum/Plasma	\$533.00
3781U	Piroxicam, Urine	\$333.00
3783B	Platinum, Blood	\$184.00
3783FL	Platinum, Fluid	\$379.00
3783SP	Platinum, Serum/Plasma	\$184.00
3783U	Platinum, Urine	\$303.00
3790B	Posaconazole, Blood	\$680.00
3790SP	Posaconazole, Serum/Plasma	\$438.00
8064B	Postmortem BHB and Alcohol Profile, Blood (Forensic)	\$237.00
8155U	Postmortem Designer Opioids Add-On (Qualitative), Urine (Forensic)	\$193.00
8155B	Postmortem Designer Opioids Add-On, Blood (Forensic)	\$203.00
8155SP	Postmortem Designer Opioids Add-On, Serum/Plasma (Forensic)	\$193.00
8063B	Postmortem, Basic to Expanded Upgrade, Blood (Forensic)	\$175.00
8063FL	Postmortem, Basic to Expanded Upgrade, Fluid (Forensic)	\$401.00
8063SP	Postmortem, Basic to Expanded Upgrade, Serum/Plasma (Forensic)	\$175.00
8063TI	Postmortem, Basic to Expanded Upgrade, Tissue (Forensic)	\$475.00
8063U	Postmortem, Basic to Expanded Upgrade, Urine (Forensic)	\$175.00
8061B	Postmortem, Basic w/o Alcohol, Blood (Forensic)	\$230.00
8061TI	Postmortem, Basic w/o Alcohol, Tissue (Forensic)	\$486.00
8061U	Postmortem, Basic w/o Alcohol, Urine (Forensic)	\$230.00
8083B	Postmortem, Basic w/Vitreous Alcohol and 6-MAM Confirmation, Blood (Forensic)	\$361.00
8041B	Postmortem, Basic w/Vitreous Alcohol Confirmation, Blood (Forensic)	\$324.00
8051B	Postmortem, Basic, Blood (Forensic)	\$279.00
8051FL	Postmortem, Basic, Fluid (Forensic)	\$426.00
8051SP	Postmortem, Basic, Serum/Plasma (Forensic)	\$279.00
8051TI	Postmortem, Basic, Tissue (Forensic)	\$500.00
8051U	Postmortem, Basic, Urine (Forensic)	\$279.00
8062B	Postmortem, Expanded w/o Alcohol, Blood (Forensic)	\$364.00
8062FL	Postmortem, Expanded w/o Alcohol, Fluid (Forensic)	\$623.00
8062TI	Postmortem, Expanded w/o Alcohol, Tissue (Forensic)	\$687.00
8062U	Postmortem, Expanded w/o Alcohol, Urine (Forensic)	\$364.00
8084B	Postmortem, Expanded w/Vitreous Alcohol and 6-MAM Confirmation, Blood (Forensic)	\$488.00
8042B	Postmortem, Expanded w/Vitreous Alcohol Confirmation, Blood (Forensic)	\$451.00
8052B	Postmortem, Expanded, Blood (Forensic)	\$413.00
8052FL	Postmortem, Expanded, Fluid (Forensic)	\$678.00
8052SP	Postmortem, Expanded, Serum/Plasma (Forensic)	\$413.00
8052TI	Postmortem, Expanded, Tissue (Forensic)	\$750.00
8052U	Postmortem, Expanded, Urine (Forensic)	\$413.00
8104B	Postmortem, Fire Death Screen, Blood (Forensic)	\$494.00
8092B	Postmortem, Prescription Drugs Screen, Blood (Forensic)	\$713.00
8092FL	Postmortem, Prescription Drugs Screen, Fluid (Forensic)	\$905.00
8092SP	Postmortem, Prescription Drugs Screen, Serum/Plasma (Forensic)	\$713.00
8092TI	Postmortem, Prescription Drugs Screen, Tissue (Forensic)	\$968.00
8092U	Postmortem, Prescription Drugs Screen, Urine (Forensic)	\$713.00
8043B	Postmortem, Prescription Screen w/Vitreous Alcohol, Blood (Forensic)	\$731.00

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8050U	Postmortem, Urine Screen Add-on (6-MAM Quantification only) (Forensic)	\$41.00
3784B	Potassium - Total, Blood (Forensic)	\$88.00
3784FL	Potassium - Total, Fluid	\$205.00
3784R	Potassium - Total, RBCs	\$88.00
3788B	Prazosin, Blood	\$748.00
3788SP	Prazosin, Serum/Plasma	\$464.00
3795B	Pregabalin, Blood	\$332.00
3795SP	Pregabalin, Serum/Plasma	\$162.00
3795U	Pregabalin, Urine	\$442.00
3900B	Primidone, Phenobarbital and PEMA, Blood	\$153.00
3900FL	Primidone, Phenobarbital and PEMA, Fluid	\$355.00
3900SP	Primidone, Phenobarbital and PEMA, Serum/Plasma	\$153.00
3901SP	Primidone, Serum/Plasma	\$56.00
3950B	Prochlorperazine, Blood	\$132.00
3950SP	Prochlorperazine, Serum/Plasma	\$91.00
3957B	Procyclidine, Blood	\$172.00
3957SP	Procyclidine, Serum/Plasma	\$268.00
3957U	Procyclidine, Urine	\$172.00
3970B	Promethazine, Blood	\$162.00
3970SP	Promethazine, Serum/Plasma	\$162.00
3970TI	Promethazine, Tissue	\$429.00
3970U	Promethazine, Urine	\$162.00
3976B	Propafenone, Blood	\$210.00
3976SP	Propafenone, Serum/Plasma	\$127.00
3974B	Propane, Blood	\$360.00
9327B	Propane, Blood	\$860.00
3974TI	Propane, Tissue	\$368.00
3975B	Propanol, n-, Blood	\$171.00
3975SP	Propanol, n-, Serum/Plasma	\$166.00
3975U	Propanol, n-, Urine	\$147.00
4018U	Propofol Glucuronide, Urine	\$231.00
9253B	Propofol Screen, Blood	\$196.00
9253SP	Propofol Screen, Serum/Plasma	\$196.00
4015B	Propofol, Blood	\$240.00
4015SP	Propofol, Serum/Plasma	\$240.00
3990B	Propoxyphene and Metabolite, Blood	\$187.00
3990FL	Propoxyphene and Metabolite, Fluid	\$255.00
3990SP	Propoxyphene and Metabolite, Serum/Plasma	\$298.00
3990U	Propoxyphene and Metabolite, Urine	\$187.00
9247B	Propranolol Screen, Blood	\$92.00
9247SP	Propranolol Screen, Serum/Plasma	\$124.00
4000B	Propranolol, Blood	\$101.00
4000FL	Propranolol, Fluid	\$302.00
4000SP	Propranolol, Serum/Plasma	\$146.00
4000TI	Propranolol, Tissue	\$368.00
4000U	Propranolol, Urine	\$146.00

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4003B	Propylene Glycol, Blood	\$281.00
4003SP	Propylene Glycol, Serum/Plasma	\$187.00
4003U	Propylene Glycol, Urine	\$300.00
9436B	Protriptyline Screen, Blood	\$183.00
9436SP	Protriptyline Screen, Serum/Plasma	\$118.00
4010B	Protriptyline, Blood	\$183.00
8706B	Protriptyline, Blood	\$469.00
4010SP	Protriptyline, Serum/Plasma	\$127.00
8706SP	Protriptyline, Serum/Plasma	\$328.00
9248B	Pseudoephedrine Screen, Blood	\$177.00
9248SP	Pseudoephedrine Screen, Serum/Plasma	\$171.00
9248U	Pseudoephedrine Screen, Urine	\$171.00
9249B	Pseudoephedrine vs Ephedrine Differentiation Screen, Blood	\$303.00
9249U	Pseudoephedrine vs Ephedrine Differentiation Screen, Urine	\$184.00
4020B	Pseudoephedrine, Blood	\$148.00
4020SP	Pseudoephedrine, Serum/Plasma	\$103.00
4020U	Pseudoephedrine, Urine	\$103.00
4029B	Psilocybin as Psilocin (Qualitative), Blood	\$449.00
4029SP	Psilocybin as Psilocin (Qualitative), Serum/Plasma	\$449.00
4029U	Psilocybin as Psilocin (Qualitative), Urine	\$449.00
4033SP	Pyrazinamide, Serum/Plasma	\$551.00
4030B	Pyridine, Blood	\$402.00
4030SP	Pyridine, Serum/Plasma	\$617.00
4030U	Pyridine, Urine	\$558.00
4038B	Pyridostigmine, Blood	\$835.00
4038SP	Pyridostigmine, Serum/Plasma	\$501.00
4038U	Pyridostigmine, Urine	\$501.00
4045B	Pyrimethamine, Blood	\$483.00
4045SP	Pyrimethamine, Serum/Plasma	\$483.00
4047B	Pyrrolidinophenone Panel, Blood	\$335.00
4047SP	Pyrrolidinophenone Panel, Serum/Plasma	\$335.00
8088B	Qsymia®, Blood	\$237.00
8088SP	Qsymia®, Serum/Plasma	\$237.00
81869B	QTOF (MS/MS) Add-On (Qualitative), Blood	\$103.00
4051B	Quetiapine, Blood	\$173.00
4051FL	Quetiapine, Fluid	\$376.00
4051SP	Quetiapine, Serum/Plasma	\$173.00
4051TI	Quetiapine, Tissue	\$444.00
4051U	Quetiapine, Urine	\$286.00
4071B	Quinidine, Blood	\$557.00
4071SP	Quinidine, Serum/Plasma	\$371.00
4080B	Quinine, Blood	\$174.00
4080SP	Quinine, Serum/Plasma	\$174.00
4080U	Quinine, Urine	\$176.00
4075B	Quinine/Quinidine Differentiation, Blood	\$219.00
4075SP	Quinine/Quinidine Differentiation, Serum/Plasma	\$232.00

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9254B	Quinine/Quinidine Screen, Blood	\$174.00
4086B	Ramelteon and Metabolite, Blood	\$265.00
4086SP	Ramelteon and Metabolite, Serum/Plasma	\$265.00
4086U	Ramelteon and Metabolite, Urine	\$265.00
4085B	Ranitidine, Blood	\$701.00
4085SP	Ranitidine, Serum/Plasma	\$701.00
4085U	Ranitidine, Urine	\$701.00
7064SP	Rapid Plasma Reagin Reflex (RPR) - Send Out	\$75.00
7074SP	Rapid Plasma Reagin Titer Reflex (RPRT), Serum/Plasma - Send Out	\$75.00
0965B	Recent Cannabis Use Markers, Blood	\$330.00
0965SP	Recent Cannabis Use Markers, Serum/Plasma	\$330.00
4101B	Repaglinide, Blood	\$132.00
4101SP	Repaglinide, Serum/Plasma	\$132.00
7087O	Respiratory Pathogen Profile (RP2P1) - Send Out	\$646.00
7088O	Rhinovirus (RHINO) - Send Out	\$1,013.00
4110SP	Rifampin, Serum/Plasma	\$215.00
4105B	Risperidone and Metabolite, Blood	\$170.00
4105FL	Risperidone and Metabolite, Fluid	\$373.00
4105SP	Risperidone and Metabolite, Serum/Plasma	\$170.00
4105TI	Risperidone and Metabolite, Tissue	\$441.00
4105U	Risperidone and Metabolite, Urine	\$281.00
4114SP	Rivaroxaban, Serum/Plasma	\$256.00
4114U	Rivaroxaban, Urine	\$439.00
4115B	Ropinirole, Blood	\$237.00
4115SP	Ropinirole, Serum/Plasma	\$237.00
4120B	Ropivacaine, Blood	\$316.00
4120SP	Ropivacaine, Serum/Plasma	\$335.00
4120U	Ropivacaine, Urine	\$316.00
4102B	Rosiglitazone, Blood	\$132.00
4102SP	Rosiglitazone, Serum/Plasma	\$132.00
4124B	Rubidium, Blood	\$219.00
4124R	Rubidium, RBCs	\$331.00
4124SP	Rubidium, Serum/Plasma	\$219.00
4124U	Rubidium, Urine	\$219.00
4125B	Rufinamide, Blood	\$200.00
4125SP	Rufinamide, Serum/Plasma	\$205.00
4137B	Salicylate, Blood	\$238.00
4137FL	Salicylate, Fluid	\$217.00
4137SP	Salicylate, Serum/Plasma	\$238.00
4137U	Salicylate, Urine	\$238.00
8001B	Salicylates Screen, Blood	\$77.00
8001FL	Salicylates Screen, Fluid	\$279.00
8001SP	Salicylates Screen, Serum/Plasma	\$45.00
8001TI	Salicylates Screen, Tissue	\$347.00
8001U	Salicylates Screen, Urine	\$77.00
9261B	Scopolamine Screen, Blood	\$625.00

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9261SP	Scopolamine Screen, Serum/Plasma	\$625.00
9261U	Scopolamine Screen, Urine	\$625.00
4160B	Scopolamine, Blood	\$897.00
4160SP	Scopolamine, Serum/Plasma	\$735.00
4160U	Scopolamine, Urine	\$735.00
4170B	Secobarbital, Blood	\$80.00
4170SP	Secobarbital, Serum/Plasma	\$130.00
4170U	Secobarbital, Urine	\$127.00
4180B	Selenium, Blood	\$109.00
4180H	Selenium, Hair	\$520.00
4180LI	Selenium, Liquid	\$660.00
4180N	Selenium, Nails	\$520.00
4180R	Selenium, RBCs	\$109.00
4180SP	Selenium, Serum/Plasma	\$109.00
4180U	Selenium, Urine	\$127.00
6317U	Semi Conductor Panel, Urine	\$607.00
4195B	Sertraline and Desmethylsertraline, Blood	\$112.00
4195FL	Sertraline and Desmethylsertraline, Fluid	\$316.00
4195SP	Sertraline and Desmethylsertraline, Serum/Plasma	\$112.00
4195TI	Sertraline and Desmethylsertraline, Tissue	\$384.00
4195U	Sertraline, Urine	\$157.00
SHPCHG	Shipping Charge	\$41.00
4197B	Sildenafil and Metabolite, Blood	\$494.00
4197SP	Sildenafil and Metabolite, Serum/Plasma	\$494.00
4197U	Sildenafil and Metabolite, Urine	\$494.00
4190B	Silicon, Blood	\$135.00
4190SP	Silicon, Serum/Plasma	\$135.00
4190U	Silicon, Urine	\$135.00
4200B	Silver, Blood	\$99.00
4200SP	Silver, Serum/Plasma	\$99.00
4200U	Silver, Urine	\$99.00
4205SP	Sinemet®, Serum/Plasma	\$398.00
4193B	Sirolimus, Blood	\$208.00
0641B	Sotalol, Blood	\$270.00
0641SP	Sotalol, Serum/Plasma	\$169.00
HANDLING	Specimen Handling Fee	\$47.00
SPEC RET	Specimen Retention	\$2,500.00
RETURN	Specimen Return/Handling	\$63.00
3475U	S-Phenylmercapturic Acid, Urine	\$234.00
4211B	Stiripentol, Blood	\$297.00
4211SP	Stiripentol, Serum/Plasma	\$297.00
4212B	Strontium, Blood	\$96.00
4212SP	Strontium, Serum/Plasma	\$56.00
4212U	Strontium, Urine	\$55.00
4215B	Strychnine, Blood	\$172.00
4215FL	Strychnine, Fluid	\$365.00

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4215SP	Strychnine, Serum/Plasma	\$172.00
4215TI	Strychnine, Tissue	\$411.00
4215U	Strychnine, Urine	\$172.00
4213U	Styrene Exposure Profile, Urine	\$156.00
4232B	Styrene, Blood	\$287.00
4232SP	Styrene, Serum/Plasma	\$238.00
4127B	Suboxone® - Free, Blood	\$387.00
4127FL	Suboxone® - Free, Fluid	\$424.00
4127SP	Suboxone® - Free, Serum/Plasma	\$387.00
4127TI	Suboxone® - Total, Tissue	\$452.00
4127U	Suboxone® - Total, Urine	\$387.00
1021B	Substituted Cathinone Panel, Blood	\$292.00
1021SP	Substituted Cathinone Panel, Serum/Plasma	\$292.00
1021U	Substituted Cathinone Panel, Urine	\$292.00
9264B	Sufentanil Screen, Blood	\$289.00
9264U	Sufentanil Screen, Urine	\$321.00
4240B	Sufentanil, Blood	\$332.00
4240FL	Sufentanil, Fluid	\$511.00
4240SP	Sufentanil, Serum/Plasma	\$321.00
4240U	Sufentanil, Urine	\$321.00
4235B	Sulfhemoglobin, Blood	\$299.00
4235R	Sulfhemoglobin, RBCs	\$189.00
4239SP	Sulfide Exposure Biouptake Marker, Serum/Plasma	\$477.00
4245SP	Sulfonamides, Undifferentiated, Serum/Plasma	\$133.00
4275B	Sumatriptan, Blood	\$496.00
4275SP	Sumatriptan, Serum/Plasma	\$481.00
4275U	Sumatriptan, Urine	\$496.00
4236B	Suvorexant, Blood	\$292.00
4236SP	Suvorexant, Serum/Plasma	\$299.00
9562U	Synthetic Cannabinoid Metabolites Screen - Expanded, Urine	\$135.00
4283U	Synthetic Cannabinoid Metabolites-Expanded (Qualitative), Urine	\$100.00
4282SP	Synthetic Cannabinoids (Qualitative), Serum/Plasma	\$292.00
9566B	Synthetic Cannabinoids Screen (Add-On), Blood	\$196.00
9560B	Synthetic Cannabinoids Screen, Blood	\$273.00
7073SP	Syphilis Serology (SYPHL), Serum/Plasma - Send Out	\$105.00
4305B	Tacrine, Blood	\$513.00
4305SP	Tacrine, Serum/Plasma	\$529.00
4306B	Tacrolimus, Blood	\$208.00
4297B	Tadalafil, Blood	\$615.00
4297SP	Tadalafil, Serum/Plasma	\$615.00
4300B	Talbutal, Blood	\$251.00
4303U	Talwin® Nx, Urine	\$333.00
4311B	Tamoxifen and Metabolites, Blood	\$753.00
4311SP	Tamoxifen and Metabolites, Serum/Plasma	\$468.00
4312B	Tapentadol - Free, Blood	\$398.00
4312SP	Tapentadol - Free, Serum/Plasma	\$200.00

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4312U	Tapentadol - Total, Urine	\$200.00
4320B	Tellurium, Blood	\$239.00
4320SP	Tellurium, Serum/Plasma	\$239.00
4320U	Tellurium, Urine	\$239.00
4323B	Temazepam and Metabolite, Blood	\$181.00
4323SP	Temazepam and Metabolite, Serum/Plasma	\$181.00
4323U	Temazepam and Metabolite, Urine	\$181.00
4329B	Terazosin, Blood	\$748.00
4329SP	Terazosin, Serum/Plasma	\$748.00
4326SP	Terbutaline, Serum/Plasma	\$323.00
4367B	Teriflunomide (Pre-Pregnancy Monitoring), Blood	\$333.00
4367SP	Teriflunomide (Pre-Pregnancy Monitoring), Serum/Plasma	\$333.00
4366B	Teriflunomide (Therapeutic Drug Monitoring), Blood	\$333.00
4366SP	Teriflunomide (Therapeutic Drug Monitoring), Serum/Plasma	\$333.00
4327B	Terpineol, Blood	\$261.00
4327SP	Terpineol, Serum/Plasma	\$376.00
4327U	Terpineol, Urine	\$376.00
4333B	Tetrachloroethane, Blood	\$305.00
3430B	Tetrachloroethylene, Blood	\$119.00
4351B	Tetrafluoroethane and Difluoroethane Panel Add-On, Blood	\$357.00
1611A	Tetrafluoroethane and Difluoroethane Panel, Air	\$460.00
1611B	Tetrafluoroethane and Difluoroethane Panel, Blood	\$424.00
1611FL	Tetrafluoroethane and Difluoroethane Panel, Fluid	\$599.00
1611TI	Tetrafluoroethane and Difluoroethane Panel, Tissue	\$654.00
1611U	Tetrafluoroethane and Difluoroethane Panel, Urine	\$460.00
4355B	Tetrahydrofuran, Blood	\$239.00
4355SP	Tetrahydrofuran, Serum/Plasma	\$281.00
4355U	Tetrahydrofuran, Urine	\$254.00
4350B	Tetrahydrozoline, Blood	\$389.00
4350SP	Tetrahydrozoline, Serum/Plasma	\$389.00
4350U	Tetrahydrozoline, Urine	\$389.00
4370B	Thallium, Blood	\$143.00
4370H	Thallium, Hair	\$398.00
4370LI	Thallium, Liquid	\$352.00
4370N	Thallium, Nails	\$398.00
4370SP	Thallium, Serum/Plasma	\$89.00
4370U	Thallium, Urine	\$94.00
9272B	Thebaine Screen, Blood	\$799.00
9272U	Thebaine Screen, Urine	\$799.00
4376B	Thebaine, Blood	\$517.00
4380B	Theobromine, Blood	\$169.00
4380SP	Theobromine, Serum/Plasma	\$162.00
4380U	Theobromine, Urine	\$169.00
4387B	Theophylline, Blood	\$133.00
4387SP	Theophylline, Serum/Plasma	\$133.00
4387U	Theophylline, Urine	\$118.00

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Test	Test Name	List Price
6945H	Therapeutic and Drugs of Abuse Screen, Hair	\$1,416.00
4440B	Thiocyanate, Blood	\$140.00
4440SP	Thiocyanate, Serum/Plasma	\$101.00
4440U	Thiocyanate, Urine	\$166.00
9419B	Thiopental and Metabolite Screen, Blood	\$234.00
9419SP	Thiopental and Metabolite Screen, Serum/Plasma	\$163.00
4450B	Thiopental and Metabolite, Blood	\$217.00
8636B	Thiopental and Metabolite, Blood	\$339.00
4450SP	Thiopental and Metabolite, Serum/Plasma	\$207.00
8636SP	Thiopental and Metabolite, Serum/Plasma	\$339.00
9427B	Thioridazine and Metabolite Screen, Blood	\$183.00
9427SP	Thioridazine and Metabolite Screen, Serum/Plasma	\$201.00
4461B	Thioridazine and Metabolite, Blood	\$191.00
8689B	Thioridazine and Metabolite, Blood	\$542.00
4461SP	Thioridazine and Metabolite, Serum/Plasma	\$114.00
8689SP	Thioridazine and Metabolite, Serum/Plasma	\$328.00
4461TI	Thioridazine and Metabolite, Tissue	\$276.00
4461U	Thioridazine and Metabolite, Urine	\$114.00
4472B	Thiosulfate, Blood	\$247.00
4472SP	Thiosulfate, Serum/Plasma	\$247.00
4472U	Thiosulfate, Urine	\$247.00
9276B	Thiothixene (Cis Isomer) Screen, Blood	\$110.00
9276SP	Thiothixene (Cis Isomer) Screen, Serum/Plasma	\$177.00
9276U	Thiothixene (Cis Isomer) Screen, Urine	\$110.00
4469B	Thiothixene (Cis Isomer), Blood	\$117.00
4469SP	Thiothixene (Cis Isomer), Serum/Plasma	\$117.00
4469U	Thiothixene (Cis Isomer), Urine	\$117.00
4478SP	Thorium, Serum/Plasma	\$152.00
4478U	Thorium, Urine	\$253.00
4479B	Tiagabine, Blood	\$181.00
4479SP	Tiagabine, Serum/Plasma	\$130.00
4483B	Tianeptine, Blood	\$325.00
4483SP	Tianeptine, Serum/Plasma	\$325.00
4483U	Tianeptine, Urine	\$325.00
4482B	Timolol, Blood	\$249.00
4482SP	Timolol, Serum/Plasma	\$411.00
4485B	Tin - Total, Blood	\$142.00
4485H	Tin - Total, Hair	\$484.00
4485SP	Tin - Total, Serum/Plasma	\$142.00
4485TI	Tin - Total, Tissue	\$91.00
4485U	Tin - Total, Urine	\$142.00
4486B	Titanium, Blood	\$146.00
4486FL	Titanium, Fluid	\$342.00
4486SP	Titanium, Serum/Plasma	\$146.00
4486U	Titanium, Urine	\$219.00
4487B	Tizanidine, Blood	\$486.00

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Test	Test Name	List Price
4487SP	Tizanidine, Serum/Plasma	\$486.00
4489B	Tofacitinib, Blood	\$303.00
4489SP	Tofacitinib, Serum/Plasma	\$303.00
4490SP	Tolazamide, Serum/Plasma	\$375.00
4500SP	Tolbutamide, Serum/Plasma	\$375.00
4505B	Tolmetin, Blood	\$396.00
4505SP	Tolmetin, Serum/Plasma	\$438.00
4513U	Toluene Exposure, Urine	\$183.00
4510B	Toluene, Blood	\$119.00
4519B	Topiramate, Blood	\$141.00
4519FL	Topiramate, Fluid	\$209.00
4519SP	Topiramate, Serum/Plasma	\$141.00
4519TI	Topiramate, Tissue	\$384.00
4519U	Topiramate, Urine	\$224.00
4525B	Torsemide, Blood	\$162.00
4525SP	Torsemide, Serum/Plasma	\$134.00
0470UH	Total, Inorganic Arsenic, 24 Hour Urine (+Creatinine)	\$162.00
9288B	Tramadol and Metabolite Screen, Blood	\$137.00
9288FL	Tramadol and Metabolite Screen, Fluid	\$327.00
9288SP	Tramadol and Metabolite Screen, Serum/Plasma	\$146.00
4531B	Tramadol and Metabolite, Blood	\$328.00
4531SP	Tramadol and Metabolite, Serum/Plasma	\$147.00
4533U	Tramadol and Metabolite, Urine	\$328.00
9287U	Tramadol Screen, Urine	\$92.00
4535B	Trazodone and mCPP, Blood	\$91.00
4535SP	Trazodone and mCPP, Serum/Plasma	\$91.00
4535U	Trazodone and mCPP, Urine	\$91.00
4535FL	Trazodone, Fluid	\$296.00
4535TI	Trazodone, Tissue	\$366.00
4540B	Triamterene, Blood	\$721.00
4540SP	Triamterene, Serum/Plasma	\$749.00
4543B	Triazolam and Metabolite, Blood	\$162.00
4543SP	Triazolam and Metabolite, Serum/Plasma	\$258.00
4543U	Triazolam as Metabolite, Urine	\$162.00
4624B	Trichloroacetic Acid, Blood	\$386.00
4624SP	Trichloroacetic Acid, Serum/Plasma	\$386.00
4624U	Trichloroacetic Acid, Urine	\$137.00
4618B	Trichlorobenzenes, Blood	\$748.00
4640B	Trichloroethanol - Free, Blood	\$414.00
4640SP	Trichloroethanol - Free, Serum/Plasma	\$414.00
4658U	Trichloroethylene Exposure, Urine	\$331.00
4650B	Trichloroethylene, Blood	\$212.00
4650SP	Trichloroethylene, Serum/Plasma	\$340.00
4660B	Trifluoperazine, Blood	\$551.00
4660SP	Trifluoperazine, Serum/Plasma	\$177.00
4680B	Trihexyphenidyl, Blood	\$223.00

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Test	Test Name	List Price
4680SP	Trihexyphenidyl, Serum/Plasma	\$223.00
4680U	Trihexyphenidyl, Urine	\$223.00
4700B	Trimethadione and Metabolite, Blood	\$146.00
4700SP	Trimethadione and Metabolite, Serum/Plasma	\$146.00
4700U	Trimethadione and Metabolite, Urine	\$181.00
4704B	Trimethoprim, Blood	\$183.00
4704SP	Trimethoprim, Serum/Plasma	\$177.00
4704U	Trimethoprim, Urine	\$177.00
4706B	Trimipramine and Metabolite, Blood	\$210.00
8708B	Trimipramine and Metabolite, Blood	\$328.00
4706SP	Trimipramine and Metabolite, Serum/Plasma	\$201.00
8708SP	Trimipramine and Metabolite, Serum/Plasma	\$542.00
4706U	Trimipramine and Metabolite, Urine	\$127.00
8708U	Trimipramine and Metabolite, Urine	\$469.00
4720B	Tripolidine, Blood	\$153.00
4720SP	Tripolidine, Serum/Plasma	\$249.00
7030SP	Tryptase, Serum/Plasma - Send Out	\$148.00
4730B	Tungsten, Blood	\$181.00
4730SP	Tungsten, Serum/Plasma	\$181.00
4730U	Tungsten, Urine	\$181.00
4755UH	Uranium, 24 Hour Urine	\$181.00
4755U	Uranium, Urine	\$181.00
4766SP	Valacyclovir as Metabolite, Serum/Plasma	\$240.00
4759SP	Valproic Acid - Unbound and Total, Serum/Plasma	\$197.00
4757B	Valproic Acid, Blood	\$165.00
4757FL	Valproic Acid, Fluid	\$231.00
4757SP	Valproic Acid, Serum/Plasma	\$165.00
4757TI	Valproic Acid, Tissue	\$434.00
4761SP	Valproic Acid, Unbound, Serum/Plasma	\$125.00
4757U	Valproic Acid, Urine	\$165.00
4765B	Vanadium, Blood	\$109.00
4765R	Vanadium, RBCs	\$109.00
4765SP	Vanadium, Serum/Plasma	\$109.00
4765U	Vanadium, Urine	\$114.00
4764B	Vardenafil and Metabolite, Blood	\$581.00
4764SP	Vardenafil and Metabolite, Serum/Plasma	\$581.00
9447B	Venlafaxine and Metabolite Screen, Blood	\$276.00
9447U	Venlafaxine and Metabolite Screen, Urine	\$276.00
4767B	Venlafaxine and Metabolite, Blood	\$334.00
4767FL	Venlafaxine and Metabolite, Fluid	\$370.00
4767SP	Venlafaxine and Metabolite, Serum/Plasma	\$334.00
4767TI	Venlafaxine and Metabolite, Tissue	\$592.00
4767U	Venlafaxine and Metabolite, Urine	\$515.00
4770B	Verapamil, Blood	\$201.00
4770FL	Verapamil, Fluid	\$352.00
4770SP	Verapamil, Serum/Plasma	\$127.00

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4770TI	Verapamil, Tissue	\$421.00
4770U	Verapamil, Urine	\$127.00
4774SP	Vigabatrin, Serum/Plasma	\$428.00
4790B	Vilazodone, Blood	\$244.00
4790SP	Vilazodone, Serum/Plasma	\$244.00
4778U	Vinyl Chloride Metabolite, Urine	\$446.00
4780SP	Vitamin B3 (Niacin and Metabolites), Serum/Plasma	\$220.00
4783B	Voclosporin, Blood	\$197.00
2415B	Volatile and Halocarbon Intoxicants, Blood	\$126.00
2415FL	Volatile and Halocarbon Intoxicants, Fluid	\$175.00
2415TI	Volatile and Halocarbon Intoxicants, Tissue	\$204.00
4782B	Voriconazole, Blood	\$183.00
4782SP	Voriconazole, Serum/Plasma	\$449.00
4791FL	Vortioxetine, Fluid	\$392.00
4791SP	Vortioxetine, Serum/Plasma	\$207.00
4800B	Warfarin, Blood	\$106.00
4800SP	Warfarin, Serum/Plasma	\$106.00
4815B	Xylazine, Blood	\$334.00
4815SP	Xylazine, Serum/Plasma	\$334.00
4815TI	Xylazine, Tissue	\$623.00
4815U	Xylazine, Urine	\$334.00
4821U	Xylene Exposure Panel, Urine	\$166.00
4820B	Xylenes Panel, Blood	\$126.00
4830B	Yohimbine, Blood	\$835.00
4830SP	Yohimbine, Serum/Plasma	\$531.00
4830U	Yohimbine, Urine	\$531.00
4835B	Zaleplon, Blood	\$257.00
4835SP	Zaleplon, Serum/Plasma	\$249.00
4835U	Zaleplon, Urine	\$249.00
4844B	Zinc, Blood	\$66.00
4844FL	Zinc, Fluid	\$265.00
4844H	Zinc, Hair	\$389.00
4844LI	Zinc, Liquid	\$534.00
4844N	Zinc, Nails	\$389.00
4844R	Zinc, RBCs	\$66.00
4844SP	Zinc, Serum/Plasma	\$66.00
4844U	Zinc, Urine	\$109.00
4860B	Ziprasidone, Blood	\$152.00
4860SP	Ziprasidone, Serum/Plasma	\$152.00
4870SP	Zirconium, Serum/Plasma	\$195.00

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Test	Test Name	List Price
2478U	Zolpidem and Metabolites, Urine	\$257.00
2483B	Zolpidem, Blood	\$195.00
2483FL	Zolpidem, Fluid	\$396.00
2483SP	Zolpidem, Serum/Plasma	\$195.00
2483TI	Zolpidem, Tissue	\$463.00
4884SP	Zonisamide, Serum/Plasma	\$200.00
4885B	ZPP (Zinc Protoporphyrin), Blood	\$74.00

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Test	Test Name	List Price
REFLEX CONFIRMATION TESTING		
<i>NOTE: Codes beginning with the number 5 are not orderable. They are reserved for reflex confirmations only.</i>		
5441B	Acepromazine Confirmation (Qualitative), Blood	\$143.00
5441SP	Acepromazine Confirmation (Qualitative), Serum/Plasma	\$143.00
5441U	Acepromazine Confirmation (Qualitative), Urine	\$143.00
5401B	Acetaminophen Confirmation, Blood	\$161.00
5401SP	Acetaminophen Confirmation, Serum/Plasma	\$161.00
5401U	Acetaminophen Confirmation, Urine	\$161.00
53250B	Alcohols and Acetone Confirmation, Blood	\$88.00
53250FL	Alcohols and Acetone Confirmation, Fluid	\$123.00
53250SP	Alcohols and Acetone Confirmation, Serum/Plasma	\$88.00
53250U	Alcohols and Acetone Confirmation, Urine	\$107.00
53249FL	Alcohols and Acetone Confirmation, Vitreous Fluid (Forensic)	\$105.00
5659U	Alfentanil Confirmation, Urine	\$126.00
5444SP	Amantadine Confirmation (Qualitative), Serum/Plasma	\$252.00
5446B	Amitriptyline and Metabolite Confirmation (Qualitative), Blood	\$145.00
5446SP	Amitriptyline and Metabolite Confirmation (Qualitative), Serum/Plasma	\$145.00
5446U	Amitriptyline and Metabolite Confirmation (Qualitative), Urine	\$145.00
5684ME	Amphetamines Confirmation (Qualitative), Meconium	\$273.00
5684B	Amphetamines Confirmation, Blood	\$221.00
5684FL	Amphetamines Confirmation, Fluid	\$423.00
5684SP	Amphetamines Confirmation, Serum/Plasma	\$221.00
5684TI	Amphetamines Confirmation, Tissue	\$356.00
5684U	Amphetamines Confirmation, Urine	\$221.00
5223U	Amphetamines Quantitation/Confirmation, Urine	\$205.00
5125U	Anabasine Confirmation, Urine	\$130.00
5450B	Antidepressants Confirmation (Qualitative), Blood	\$168.00
5450SP	Antidepressants Confirmation (Qualitative), Serum/Plasma	\$168.00
5450U	Antidepressants Confirmation (Qualitative), Urine	\$168.00
5454B	Atropine Confirmation, Blood	\$567.00
5454SP	Atropine Confirmation, Serum/Plasma	\$567.00
5454U	Atropine Confirmation, Urine	\$567.00
5652ME	Barbiturates Confirmation (Qualitative), Meconium	\$281.00
5652B	Barbiturates Confirmation, Blood	\$281.00
5652FL	Barbiturates Confirmation, Fluid	\$453.00
5652SP	Barbiturates Confirmation, Serum/Plasma	\$281.00
5652TI	Barbiturates Confirmation, Tissue	\$509.00
5652U	Barbiturates Confirmation, Urine	\$193.00
5641ME	Benzodiazepines Confirmation (Qualitative), Meconium	\$266.00
5641B	Benzodiazepines Confirmation, Blood	\$215.00
5641FL	Benzodiazepines Confirmation, Fluid	\$282.00
5641SP	Benzodiazepines Confirmation, Serum/Plasma	\$215.00
5641TI	Benzodiazepines Confirmation, Tissue	\$317.00
5641U	Benzodiazepines Confirmation, Urine	\$210.00
5463B	Brompheniramine Confirmation (Qualitative), Blood	\$165.00

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Test	Test Name	List Price
REFLEX CONFIRMATION TESTING		
<i>NOTE: Codes beginning with the number 5 are not orderable. They are reserved for reflex confirmations only.</i>		
53167U	Buprenorphine and Metabolite - Total (Conjugated/Unconjugated) Confirmation, Urine	\$89.00
5466B	Bupropion and Metabolite Confirmation, Blood	\$154.00
5466SP	Bupropion and Metabolite Confirmation, Serum/Plasma	\$154.00
5466TI	Bupropion and Metabolite Confirmation, Tissue	\$423.00
5466U	Bupropion and Metabolite Confirmation, Urine	\$154.00
5646ME	Cannabinoids Confirmation (Qualitative), Meconium	\$274.00
5646B	Cannabinoids Confirmation, Blood	\$223.00
5646FL	Cannabinoids Confirmation, Fluid	\$290.00
5646SP	Cannabinoids Confirmation, Serum/Plasma	\$223.00
5646TI	Cannabinoids Confirmation, Tissue	\$326.00
5646U	Cannabinoids Confirmation, Urine	\$170.00
5654B	Carbon Monoxide Exposure Biouptake Confirmation, Blood	\$100.00
5479B	Carisoprodol and Metabolite Confirmation, Blood	\$238.00
5479FL	Carisoprodol and Metabolite Confirmation, Fluid	\$441.00
5479SP	Carisoprodol and Metabolite Confirmation, Serum/Plasma	\$238.00
5419B	Chloral Hydrate Confirmation (Qualitative), Blood	\$141.00
5419SP	Chloral Hydrate Confirmation (Qualitative), Serum/Plasma	\$106.00
5419U	Chloral Hydrate Confirmation, Urine	\$104.00
5485B	Chlorpromazine Confirmation (Qualitative), Blood	\$212.00
5485SP	Chlorpromazine Confirmation (Qualitative), Serum/Plasma	\$212.00
5485U	Chlorpromazine Confirmation (Qualitative), Urine	\$212.00
5487B	Clomipramine and Metabolite Confirmation (Qualitative), Blood	\$212.00
5487SP	Clomipramine and Metabolite Confirmation (Qualitative), Serum/Plasma	\$212.00
5487U	Clomipramine and Metabolite Confirmation (Qualitative), Urine	\$212.00
5488B	Clonazepam and Metabolite Confirmation, Blood	\$396.00
5488FL	Clonazepam and Metabolite Confirmation, Fluid	\$319.00
5488SP	Clonazepam and Metabolite Confirmation, Serum/Plasma	\$251.00
5488U	Clonazepam and Metabolite Confirmation, Urine	\$251.00
5637ME	Cocaine and Metabolites Confirmation (Qualitative), Meconium	\$261.00
5637B	Cocaine and Metabolites Confirmation, Blood	\$210.00
5637FL	Cocaine and Metabolites Confirmation, Fluid	\$392.00
5637SP	Cocaine and Metabolites Confirmation, Serum/Plasma	\$210.00
5637TI	Cocaine and Metabolites Confirmation, Tissue	\$452.00
5637U	Cocaine and Metabolites Confirmation, Urine	\$210.00
5415U	Codeine - Total (Conjugated/Unconjugated) Confirmation, Urine	\$238.00
5636B	Cyanide Confirmation (Qualitative), Blood	\$108.00
5495U	Dextro / Levo Methorphan Confirmation - Total, Urine	\$234.00
5495SP	Dextro / Levo Methorphan Confirmation, Serum/Plasma	\$234.00
5506B	Disopyramide Confirmation (Qualitative), Blood	\$119.00
5506SP	Disopyramide Confirmation (Qualitative), Serum/Plasma	\$119.00
5509B	Doxepin and Metabolite Confirmation (Qualitative), Blood	\$149.00
5509U	Doxepin and Metabolite Confirmation (Qualitative), Urine	\$149.00
5510B	Doxylamine Confirmation (Qualitative), Blood	\$188.00

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REFLEX CONFIRMATION TESTING		
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5510SP	Doxylamine Confirmation (Qualitative), Serum/Plasma	\$188.00
5511B	Ephedrine Confirmation, Blood	\$148.00
53251B	Ethanol Confirmation, Blood	\$89.00
53251FL	Ethanol Confirmation, Fluid	\$125.00
53251SP	Ethanol Confirmation, Serum/Plasma	\$89.00
53251TI	Ethanol Confirmation, Tissue	\$160.00
53251U	Ethanol Confirmation, Urine	\$110.00
5517B	Ethosuximide Confirmation (Qualitative), Blood	\$182.00
5517SP	Ethosuximide Confirmation (Qualitative), Serum/Plasma	\$182.00
5517U	Ethosuximide Confirmation (Qualitative), Urine	\$182.00
5643B	Fentanyl and Acetyl Fentanyl Confirmation, Blood	\$223.00
5643FL	Fentanyl and Acetyl Fentanyl Confirmation, Fluid	\$290.00
5643SP	Fentanyl and Acetyl Fentanyl Confirmation, Serum/Plasma	\$223.00
5643TI	Fentanyl and Acetyl Fentanyl Confirmation, Tissue	\$317.00
5643U	Fentanyl and Acetyl Fentanyl Confirmation, Urine	\$223.00
5640B	Fentanyl and Metabolite Confirmation, Blood	\$166.00
5640FL	Fentanyl and Metabolite Confirmation, Fluid	\$233.00
5640SP	Fentanyl and Metabolite Confirmation, Serum/Plasma	\$166.00
5640TI	Fentanyl and Metabolite Confirmation, Tissue	\$265.00
5728B	Flunitrazepam and Metabolites Confirmation, Blood	\$239.00
5728SP	Flunitrazepam and Metabolites Confirmation, Serum/Plasma	\$239.00
5728TI	Flunitrazepam and Metabolites Confirmation, Tissue	\$340.00
5728U	Flunitrazepam and Metabolites Confirmation, Urine	\$239.00
5524B	Fluoxetine and Metabolite Confirmation, Blood	\$134.00
5524SP	Fluoxetine and Metabolite Confirmation, Serum/Plasma	\$134.00
5524U	Fluoxetine and Metabolite Confirmation, Urine	\$134.00
5526B	Glutethimide Confirmation (Qualitative), Blood	\$134.00
5526SP	Glutethimide Confirmation (Qualitative), Serum/Plasma	\$134.00
5527B	Haloperidol Confirmation, Blood	\$221.00
5527SP	Haloperidol Confirmation, Serum/Plasma	\$221.00
5686B	Heroin Metabolites - Free (Unconjugated) Confirmation, Blood	\$307.00
5686SP	Heroin Metabolites - Free (Unconjugated) Confirmation, Serum/Plasma	\$307.00
5707U	Heroin Metabolites - Free (Unconjugated) Confirmation, Urine	\$303.00
5536B	Hydrocodone and Metabolites - Free (Unconjugated) Confirmation, Blood	\$226.00
5536SP	Hydrocodone and Metabolites - Free (Unconjugated) Confirmation, Serum/Plasma	\$226.00
5532B	Imipramine and Metabolite Confirmation (Qualitative), Blood	\$140.00
5532SP	Imipramine and Metabolite Confirmation (Qualitative), Serum/Plasma	\$140.00
5532U	Imipramine and Metabolite Confirmation (Qualitative), Urine	\$140.00
5534B	Ketamine and Metabolite Confirmation, Blood	\$210.00
5534SP	Ketamine and Metabolite Confirmation, Serum/Plasma	\$210.00
5534U	Ketamine and Metabolite Confirmation, Urine	\$210.00
5613B	Lidocaine and Metabolite (MEGX) Confirmation (Qualitative), Blood	\$201.00
5613SP	Lidocaine and Metabolite (MEGX) Confirmation (Qualitative), Serum/Plasma	\$201.00

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REFLEX CONFIRMATION TESTING		
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5613U	Lidocaine and Metabolite (MEGX) Confirmation (Qualitative), Urine	\$201.00
5811B	LSD Confirmation, Blood	\$184.00
5811SP	LSD Confirmation, Serum/Plasma	\$184.00
5811U	LSD Confirmation, Urine	\$184.00
5553SP	Meclizine Confirmation, Serum/Plasma	\$160.00
5555B	Meperidine and Metabolite Confirmation (Qualitative), Blood	\$140.00
5555SP	Meperidine and Metabolite Confirmation (Qualitative), Serum/Plasma	\$140.00
5555U	Meperidine and Metabolite Confirmation, Urine	\$212.00
5560SP	Mepivacaine Confirmation (Qualitative), Serum/Plasma	\$181.00
5417B	Mescaline Confirmation (Qualitative), Blood	\$238.00
5417SP	Mescaline Confirmation (Qualitative), Serum/Plasma	\$238.00
5417U	Mescaline Confirmation (Qualitative), Urine	\$238.00
5682ME	Methadone and Metabolite Confirmation (Qualitative), Meconium	\$293.00
5682B	Methadone and Metabolite Confirmation, Blood	\$258.00
5682FL	Methadone and Metabolite Confirmation, Fluid	\$327.00
5682SP	Methadone and Metabolite Confirmation, Serum/Plasma	\$258.00
5682TI	Methadone and Metabolite Confirmation, Tissue	\$359.00
5682U	Methadone and Metabolite Confirmation, Urine	\$258.00
5687B	Methamphetamine and Metabolite Confirmation, Blood	\$184.00
5687SP	Methamphetamine and Metabolite Confirmation, Serum/Plasma	\$154.00
5687U	Methamphetamine and Metabolite Confirmation, Urine	\$342.00
5696B	Methylenedioxymethamphetamine and Metabolite Confirmation, Blood	\$127.00
5696SP	Methylenedioxymethamphetamine and Metabolite Confirmation, Serum/Plasma	\$127.00
5696U	Methylenedioxymethamphetamine and Metabolite Confirmation, Urine	\$127.00
5584B	Mexiletine Confirmation (Qualitative), Blood	\$144.00
5584SP	Mexiletine Confirmation (Qualitative), Serum/Plasma	\$144.00
5674B	Nicotine and Metabolite Confirmation, Blood	\$130.00
5674SP	Nicotine and Metabolite Confirmation, Serum/Plasma	\$130.00
5674U	Nicotine and Metabolite with Anabasine Confirmation, Urine	\$130.00
5589B	Nitrazepam and Metabolite Confirmation, Blood	\$351.00
5589SP	Nitrazepam and Metabolite Confirmation, Serum/Plasma	\$273.00
5593B	Nortriptyline Confirmation (Qualitative), Blood	\$87.00
5593U	Nortriptyline Confirmation (Qualitative), Urine	\$87.00
5645B	Opiates - Free (Unconjugated) Confirmation, Blood	\$257.00
5645FL	Opiates - Free (Unconjugated) Confirmation, Fluid	\$384.00
5645SP	Opiates - Free (Unconjugated) Confirmation, Serum/Plasma	\$257.00
5645U	Opiates - Free (Unconjugated) Confirmation, Urine	\$274.00
5645ME	Opiates - Total (Conjugated/Unconjugated) Confirmation (Qualitative), Meconium	\$371.00
5698TI	Opiates - Total (Conjugated/Unconjugated) Confirmation, Tissue	\$438.00
5612B	Orphenadrine Confirmation (Qualitative), Blood	\$212.00
5557B	Oxycodone and Metabolite - Free (Unconjugated) Confirmation, Blood	\$183.00
5557SP	Oxycodone and Metabolite - Free (Unconjugated) Confirmation, Serum/Plasma	\$112.00
5615B	Papaverine Confirmation (Qualitative), Blood	\$195.00

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Test	Test Name	List Price
REFLEX CONFIRMATION TESTING		
<i>NOTE: Codes beginning with the number 5 are not orderable. They are reserved for reflex confirmations only.</i>		
5618B	Pentazocine Confirmation (Qualitative), Blood	\$140.00
5618SP	Pentazocine Confirmation (Qualitative), Serum/Plasma	\$212.00
5618U	Pentazocine Confirmation (Qualitative), Urine	\$140.00
5657ME	Phencyclidine Confirmation (Qualitative), Meconium	\$333.00
5657B	Phencyclidine Confirmation, Blood	\$274.00
5657FL	Phencyclidine Confirmation, Fluid	\$341.00
5657SP	Phencyclidine Confirmation, Serum/Plasma	\$274.00
5657TI	Phencyclidine Confirmation, Tissue	\$375.00
5657U	Phencyclidine Confirmation, Urine	\$274.00
5544B	Phenobarbital Confirmation, Blood	\$180.00
5546B	Phensuximide Confirmation (Qualitative), Blood	\$182.00
5546U	Phensuximide Confirmation (Qualitative), Urine	\$182.00
5548U	Phenylpropanolamine Confirmation, Urine	\$100.00
5726B	Propofol Confirmation (Qualitative), Blood	\$196.00
5726SP	Propofol Confirmation (Qualitative), Serum/Plasma	\$196.00
5433B	Propranolol Confirmation, Blood	\$92.00
5433SP	Propranolol Confirmation, Serum/Plasma	\$92.00
5566B	Protriptyline Confirmation (Qualitative), Blood	\$188.00
5566SP	Protriptyline Confirmation (Qualitative), Serum/Plasma	\$188.00
5568B	Pseudoephedrine Confirmation, Blood	\$134.00
5568SP	Pseudoephedrine Confirmation, Serum/Plasma	\$134.00
5568U	Pseudoephedrine Confirmation, Urine	\$134.00
5569B	Pseudoephedrine vs Ephedrine Differentiation Confirmation, Blood	\$221.00
5569U	Pseudoephedrine vs Ephedrine Differentiation Confirmation, Urine	\$221.00
5435B	Quinine/Quinidine Confirmation, Blood	\$174.00
5438B	Salicylate Confirmation, Blood	\$138.00
5438FL	Salicylate Confirmation, Fluid	\$207.00
5438SP	Salicylate Confirmation, Serum/Plasma	\$138.00
5438TI	Salicylate Confirmation, Tissue	\$240.00
5438U	Salicylate Confirmation, Urine	\$138.00
5583B	Scopolamine Confirmation, Blood	\$804.00
5583SP	Scopolamine Confirmation, Serum/Plasma	\$625.00
5583U	Scopolamine Confirmation, Urine	\$625.00
5579B	Sufentanil Confirmation, Blood	\$195.00
5579U	Sufentanil Confirmation, Urine	\$308.00
5596B	Thebaine Confirmation (Qualitative), Blood	\$219.00
5596U	Thebaine Confirmation (Qualitative), Urine	\$219.00
5600B	Thiopental and Metabolite Confirmation (Qualitative), Blood	\$186.00
5600SP	Thiopental and Metabolite Confirmation (Qualitative), Serum/Plasma	\$186.00
5693B	Thioridazine and Metabolite Confirmation (Qualitative), Blood	\$142.00
5693SP	Thioridazine and Metabolite Confirmation (Qualitative), Serum/Plasma	\$215.00
5602B	Thiothixene (Cis Isomer) Confirmation (Qualitative), Blood	\$186.00
5602SP	Thiothixene (Cis Isomer) Confirmation (Qualitative), Serum/Plasma	\$293.00

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REFLEX CONFIRMATION TESTING		
<i>NOTE: Codes beginning with the number 5 are not orderable. They are reserved for reflex confirmations only.</i>		
5602U	Thiothixene (Cis Isomer) Confirmation (Qualitative), Urine	\$186.00
5626B	Tramadol and Metabolite Confirmation, Blood	\$299.00
5626FL	Tramadol and Metabolite Confirmation, Fluid	\$368.00
5626SP	Tramadol and Metabolite Confirmation, Serum/Plasma	\$299.00
5626U	Tramadol and Metabolite Confirmation, Urine	\$299.00
5727B	Venlafaxine and Metabolite Confirmation, Blood	\$305.00
5727U	Venlafaxine and Metabolite Confirmation, Urine	\$305.00
CRIME LABORATORY SERVICES		
<p>NMS Labs Crime Laboratory has a full menu of forensic chemistry services available, including illicit and pharmaceutical drug identification. For a current fee schedules for crime laboratory services, please contact us via email: crimelab@nmslabs.com or by phone at: 844.276.1182.</p>		
DESIGNER DRUGS/NOVEL PSYCHOACTIVE SUBSTANCES		
0010B	2-fluoro Deschloroketamine and Deschloroketamine (Qualitative), Blood	\$275.00
0010SP	2-fluoro Deschloroketamine and Deschloroketamine (Qualitative), Serum/Plasma	\$172.00
0010U	2-fluoro Deschloroketamine and Deschloroketamine (Qualitative), Urine	\$172.00
0015B	2-methyl AP-237 & AP-238, Blood	\$535.00
0015SP	2-methyl AP-237 & AP-238, Serum/Plasma	\$535.00
0015U	2-methyl AP-237 & AP-238, Urine	\$535.00
0014B	3-MeO-PCP and 3-hydroxy-PCP (Qualitative), Blood	\$275.00
0014SP	3-MeO-PCP and 3-hydroxy-PCP (Qualitative), Serum/Plasma	\$172.00
0014U	3-MeO-PCP and 3-hydroxy-PCP (Qualitative), Urine	\$172.00
0205U	Acetyl Fentanyl and Metabolite, Urine	\$185.00
9105B	Acetyl Fentanyl Screen, Blood	\$185.00
9105SP	Acetyl Fentanyl Screen, Serum/Plasma	\$185.00
9105U	Acetyl Fentanyl Screen, Urine	\$185.00
0205B	Acetyl Fentanyl, Blood	\$185.00
0205FL	Acetyl Fentanyl, Fluid	\$371.00
0205SP	Acetyl Fentanyl, Serum/Plasma	\$185.00
0205TI	Acetyl Fentanyl, Tissue	\$371.00
2626B	Bath Salts Panel (Qualitative), Blood	\$261.00
2626SP	Bath Salts Panel (Qualitative), Serum/Plasma	\$165.00
2626U	Bath Salts Panel (Qualitative), Urine	\$165.00
0771B	Brorphine, Blood	\$459.00
0771SP	Brorphine, Serum/Plasma	\$459.00
0771U	Brorphine, Urine	\$459.00
1483U	Desalkylgidazepam (Qualitative), Urine	\$325.00
1483B	Desalkylgidazepam, Blood	\$325.00
1483SP	Desalkylgidazepam, Serum/Plasma	\$325.00
0570U	Designer Benzodiazepines (Qualitative), Urine	\$347.00

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DESIGNER DRUGS/NOVEL PSYCHOACTIVE SUBSTANCES (Continued)		
0571B	Designer Benzodiazepines DUID/DRE Add-On, Blood (Forensic)	\$207.00
0570B	Designer Benzodiazepines, Blood	\$347.00
0570SP	Designer Benzodiazepines, Serum/Plasma	\$347.00
1480U	Designer Opioids (Qualitative), Urine	\$360.00
1480B	Designer Opioids, Blood	\$360.00
1480SP	Designer Opioids, Serum/Plasma	\$360.00
1022U	Eutylone (Qualitative), Urine	\$281.00
1022B	Eutylone, Blood	\$281.00
1022SP	Eutylone, Serum/Plasma	\$281.00
1022TI	Eutylone, Tissue	\$519.00
3078U	Mitragynine (Qualitative), Urine	\$180.00
3064B	Mitragynine, Blood	\$188.00
3064SP	Mitragynine, Serum/Plasma	\$188.00
3218B	N,N-Dimethylpentylone & Pentylone, Blood	\$325.00
3218SP	N,N-Dimethylpentylone & Pentylone, Serum/Plasma	\$325.00
3218U	N,N-Dimethylpentylone & Pentylone, Urine	\$325.00
3168B	Nitazenes Panel, Blood	\$363.00
3168SP	Nitazenes Panel, Serum/Plasma	\$363.00
8054B	NMS TotalTox™ Panel, Blood (Forensic)	\$572.00
8756B	Novel Psychoactive Substances (NPS) Screen 1, Blood	\$374.00
8756SP	Novel Psychoactive Substances (NPS) Screen 1, Serum/Plasma	\$374.00
8756U	Novel Psychoactive Substances (NPS) Screen 1, Urine	\$374.00
3224B	NPS Stimulants (Qualitative), Blood	\$275.00
3224SP	NPS Stimulants (Qualitative), Serum/Plasma	\$172.00
3224U	NPS Stimulants (Qualitative), Urine	\$172.00
8155B	Postmortem Designer Opioids Add-On, Blood (Forensic)	\$203.00
8155SP	Postmortem Designer Opioids Add-On, Serum/Plasma (Forensic)	\$193.00
1021B	Substituted Cathinone Panel, Blood	\$292.00
1021SP	Substituted Cathinone Panel, Serum/Plasma	\$292.00
1021U	Substituted Cathinone Panel, Urine	\$292.00
9562U	Synthetic Cannabinoid Metabolites Screen - Expanded, Urine	\$135.00
4283U	Synthetic Cannabinoid Metabolites-Expanded (Qualitative), Urine	\$100.00
4282SP	Synthetic Cannabinoids (Qualitative), Serum/Plasma	\$292.00
9566B	Synthetic Cannabinoids Screen (Add-On), Blood	\$196.00
9560B	Synthetic Cannabinoids Screen, Blood	\$273.00

EXPERT SERVICES

NMS Labs scientists are available to provide expert opinions and scientifically sound support at various points in the investigation process including depositions, expert courtroom testimony and independent case review. For a current fee schedule for Expert Services, please contact us via email: expertservices@nmslabs.com or by phone at 844.276.0768.

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Test	Test Name	List Price
METALS/ELEMENTS TESTING SERVICES		
0264UH	Aluminum, 24 Hour Urine	\$92.00
0264B	Aluminum, Blood	\$161.00
0264FL	Aluminum, Fluid	\$496.00
0264H	Aluminum, Hair	\$520.00
0264LI	Aluminum, Liquid	\$463.00
0264R	Aluminum, RBCs	\$89.00
0264SP	Aluminum, Serum/Plasma	\$89.00
0264TI	Aluminum, Tissue	\$480.00
0264U	Aluminum, Urine	\$168.00
0410B	Antimony, Blood	\$89.00
0410H	Antimony, Hair	\$520.00
0410LI	Antimony, Liquid	\$312.00
0410N	Antimony, Nails	\$520.00
0410R	Antimony, RBCs	\$89.00
0410SP	Antimony, Serum/Plasma	\$89.00
0410U	Antimony, Urine	\$89.00
0460UH	Arsenic, 24 Hour Urine	\$111.00
0460B	Arsenic, Blood	\$111.00
0460FL	Arsenic, Fluid	\$314.00
0460H	Arsenic, Hair	\$683.00
0460N	Arsenic, Nails	\$468.00
0460R	Arsenic, RBCs	\$111.00
0460SP	Arsenic, Serum/Plasma	\$111.00
0460TI	Arsenic, Tissue	\$383.00
0468UH	Arsenic, Total Inorganic, 24 Hour Urine	\$162.00
0468U	Arsenic, Total Inorganic, Urine	\$162.00
0460U	Arsenic, Urine	\$111.00
0519B	Barium, Blood	\$200.00
0519FL	Barium, Fluid	\$205.00
0519H	Barium, Hair	\$574.00
0519SP	Barium, Serum/Plasma	\$133.00
0519TI	Barium, Tissue	\$526.00
0519U	Barium, Urine	\$133.00
0638B	Beryllium, Blood	\$92.00
0638LI	Beryllium, Liquid	\$379.00
0638SP	Beryllium, Serum/Plasma	\$92.00
0638U	Beryllium, Urine	\$143.00
0680B	Bismuth, Blood	\$233.00
0680SP	Bismuth, Serum/Plasma	\$89.00
0680U	Bismuth, Urine	\$143.00
0711B	Boron, Blood	\$71.00
0711SP	Boron, Serum/Plasma	\$71.00
0711U	Boron, Urine	\$71.00

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Test	Test Name	List Price
METALS/ELEMENTS TESTING SERVICES (Continued)		
0720B	Bromine - Total, Blood	\$414.00
0720SP	Bromine - Total, Serum/Plasma	\$101.00
0720U	Bromine - Total, Urine	\$166.00
0921UH	Cadmium, 24 Hour Urine	\$88.00
0921B	Cadmium, Blood	\$61.00
0921H	Cadmium, Hair	\$419.00
0921N	Cadmium, Nails	\$419.00
0921R	Cadmium, RBCs	\$61.00
0921SP	Cadmium, Serum/Plasma	\$61.00
0921TI	Cadmium, Tissue	\$332.00
0921U	Cadmium, Urine	\$64.00
0939B	Calcium - Total, Postmortem, Blood (Forensic)	\$125.00
0938FL	Calcium - Total, Postmortem, Fluid (Forensic)	\$291.00
0938R	Calcium - Total, RBCs	\$93.00
0938U	Calcium - Total, Urine	\$153.00
1006TI	Carbon Monoxide - Iron Ratio Profile, Tissue	\$664.00
1042B	Cesium, Blood	\$168.00
1042SP	Cesium, Serum/Plasma	\$168.00
1042U	Cesium, Urine	\$273.00
1130B	Chloroform, Blood	\$193.00
1265B	Chromium and Cobalt, Blood	\$196.00
1265SP	Chromium and Cobalt, Serum/Plasma	\$189.00
1265U	Chromium and Cobalt, Urine	\$189.00
1261B	Chromium, Blood	\$133.00
1261FL	Chromium, Fluid	\$330.00
1261H	Chromium, Hair	\$414.00
1261N	Chromium, Nails	\$414.00
1261R	Chromium, RBCs	\$133.00
1261SP	Chromium, Serum/Plasma	\$133.00
1261TI	Chromium, Tissue	\$395.00
1261U	Chromium, Urine	\$133.00
1290UH	Cobalt, 24 Hour Urine	\$132.00
1290B	Cobalt, Blood	\$110.00
1290FL	Cobalt, Fluid	\$307.00
1290H	Cobalt, Hair	\$467.00
1290N	Cobalt, Nails	\$467.00
1290R	Cobalt, RBCs	\$110.00
1290SP	Cobalt, Serum/Plasma	\$110.00
1290TI	Cobalt, Tissue	\$374.00
1290U	Cobalt, Urine	\$179.00
1333SP	Copper - Free, Serum/Plasma	\$101.00
1330B	Copper, Blood	\$56.00
1330FL	Copper, Fluid	\$257.00

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METALS/ELEMENTS TESTING SERVICES (Continued)		
1330H	Copper, Hair	\$413.00
1330R	Copper, RBCs	\$56.00
1330SP	Copper, Serum/Plasma	\$56.00
1330TI	Copper, Tissue	\$326.00
1330U	Copper, Urine	\$56.00
1919FL	Electrolytes and Glucose Panel (Vitreous), Fluid (Forensic)	\$114.00
8103B	Environmental Exposure Screen, Blood	\$880.00
2156SP	Germanium, Serum/Plasma	\$395.00
2156U	Germanium, Urine	\$379.00
2171B	Gold, Blood	\$89.00
2171SP	Gold, Serum/Plasma	\$89.00
2171U	Gold, Urine	\$89.00
2406B	Indium, Blood	\$219.00
2406R	Indium, RBCs	\$146.00
2406SP	Indium, Serum/Plasma	\$219.00
2406U	Indium, Urine	\$146.00
2430UH	Iron, 24 Hour Urine	\$76.00
2430B	Iron, Blood	\$76.00
2430SP	Iron, Serum/Plasma	\$76.00
2430ST	Iron, Stool	\$273.00
2430U	Iron, Urine	\$76.00
2490B	Lead and ZPP, Blood	\$69.00
2492UH	Lead, 24 Hour Urine	\$98.00
2492B	Lead, Blood	\$48.00
2492FL	Lead, Fluid	\$249.00
2492H	Lead, Hair	\$404.00
2492LI	Lead, Liquid	\$154.00
2492N	Lead, Nails	\$404.00
2492R	Lead, RBCs	\$82.00
2492SP	Lead, Serum/Plasma	\$98.00
2492TI	Lead, Tissue	\$317.00
2492U	Lead, Urine	\$98.00
2520B	Lithium, Blood	\$56.00
2520FL	Lithium, Fluid	\$257.00
2520R	Lithium, RBCs	\$88.00
2520SP	Lithium, Serum/Plasma	\$56.00
2520TI	Lithium, Tissue	\$326.00
2520U	Lithium, Urine	\$56.00
2551B	Magnesium - Total, Blood	\$60.00
2551FL	Magnesium - Total, Fluid	\$261.00
2551H	Magnesium - Total, Hair	\$416.00
2551R	Magnesium - Total, RBCs	\$60.00
2551SP	Magnesium - Total, Serum/Plasma	\$60.00

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Test	Test Name	List Price
METALS/ELEMENTS TESTING SERVICES (Continued)		
2551ST	Magnesium - Total, Stool	\$416.00
2551TI	Magnesium - Total, Tissue	\$263.00
2551U	Magnesium - Total, Urine	\$113.00
2570B	Manganese, Blood	\$99.00
2570FL	Manganese, Fluid	\$298.00
2570H	Manganese, Hair	\$454.00
2570LI	Manganese, Liquid	\$564.00
2570N	Manganese, Nails	\$688.00
2570R	Manganese, RBCs	\$99.00
2570SP	Manganese, Serum/Plasma	\$99.00
2570TI	Manganese, Tissue	\$366.00
2570U	Manganese, Urine	\$99.00
2670UH	Mercury, 24 Hour Urine	\$74.00
2670B	Mercury, Blood	\$53.00
2670FL	Mercury, Fluid	\$257.00
2670H	Mercury, Hair	\$599.00
2670LI	Mercury, Liquid	\$260.00
2670N	Mercury, Nails	\$413.00
2670R	Mercury, RBCs	\$53.00
2670SP	Mercury, Serum/Plasma	\$53.00
2670TI	Mercury, Tissue	\$326.00
2670U	Mercury, Urine	\$119.00
2664UH	Metals Panel 4 (Arsenic, Cadmium, Lead, Mercury), 24 Hour Urine	\$364.00
2664U	Metals Panel 4 (Arsenic, Cadmium, Lead, Mercury), Urine	\$364.00
2693B	Metals/Metalloids Acute Poisoning Panel, Blood	\$447.00
2693FL	Metals/Metalloids Acute Poisoning Panel, Fluid	\$654.00
2693H	Metals/Metalloids Acute Poisoning Panel, Hair	\$636.00
2693R	Metals/Metalloids Acute Poisoning Panel, RBCs	\$447.00
2693SP	Metals/Metalloids Acute Poisoning Panel, Serum/Plasma	\$447.00
2693TI	Metals/Metalloids Acute Poisoning Panel, Tissue	\$697.00
2693U	Metals/Metalloids Acute Poisoning Panel, Urine	\$447.00
2661B	Metals/Metalloids Panel 1, Blood	\$261.00
2661H	Metals/Metalloids Panel 1, Hair	\$485.00
2661N	Metals/Metalloids Panel 1, Nails	\$485.00
2661SP	Metals/Metalloids Panel 1, Serum/Plasma	\$289.00
2661U	Metals/Metalloids Panel 1, Urine	\$299.00
2662B	Metals/Metalloids Panel 2, Blood	\$364.00
2662H	Metals/Metalloids Panel 2, Hair	\$561.00
2662N	Metals/Metalloids Panel 2, Nails	\$561.00
2662SP	Metals/Metalloids Panel 2, Serum/Plasma	\$364.00
2662U	Metals/Metalloids Panel 2, Urine	\$575.00
2663B	Metals/Metalloids Panel 3, Blood	\$403.00
2663H	Metals/Metalloids Panel 3, Hair	\$607.00

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Test	Test Name	List Price
METALS/ELEMENTS TESTING SERVICES (Continued)		
2663N	Metals/Metalloids Panel 3, Nails	\$607.00
2663SP	Metals/Metalloids Panel 3, Serum/Plasma	\$415.00
2663U	Metals/Metalloids Panel 3, Urine	\$642.00
3140B	Nickel, Blood	\$76.00
3140FL	Nickel, Fluid	\$273.00
3140H	Nickel, Hair	\$431.00
3140N	Nickel, Nails	\$431.00
3140R	Nickel, RBCs	\$124.00
3140SP	Nickel, Serum/Plasma	\$76.00
3140TI	Nickel, Tissue	\$341.00
3140U	Nickel, Urine	\$106.00
3292B	Palladium, Blood	\$216.00
3292SP	Palladium, Serum/Plasma	\$180.00
3292U	Palladium, Urine	\$180.00
3765B	Phosphorus - Total, Blood	\$265.00
3765FL	Phosphorus - Total, Fluid	\$469.00
3765SP	Phosphorus - Total, Serum/Plasma	\$265.00
3765ST	Phosphorus - Total, Stool	\$223.00
3765U	Phosphorus - Total, Urine	\$265.00
3783B	Platinum, Blood	\$184.00
3783FL	Platinum, Fluid	\$379.00
3783SP	Platinum, Serum/Plasma	\$184.00
3783U	Platinum, Urine	\$303.00
3784B	Potassium - Total, Blood (Forensic)	\$88.00
3784FL	Potassium - Total, Fluid	\$205.00
3784R	Potassium - Total, RBCs	\$88.00
4124B	Rubidium, Blood	\$219.00
4124R	Rubidium, RBCs	\$331.00
4124SP	Rubidium, Serum/Plasma	\$219.00
4124U	Rubidium, Urine	\$219.00
4180B	Selenium, Blood	\$109.00
4180H	Selenium, Hair	\$520.00
4180LI	Selenium, Liquid	\$660.00
4180N	Selenium, Nails	\$520.00
4180R	Selenium, RBCs	\$109.00
4180SP	Selenium, Serum/Plasma	\$109.00
4180U	Selenium, Urine	\$127.00
4200B	Silver, Blood	\$99.00
4200SP	Silver, Serum/Plasma	\$99.00
4200U	Silver, Urine	\$99.00
4212B	Strontium, Blood	\$96.00
4212SP	Strontium, Serum/Plasma	\$56.00
4212U	Strontium, Urine	\$55.00

Effective January 1, 2024

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NMS Labs
2024 List Fee Schedule

800.522.6671
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Test	Test Name	List Price
METALS/ELEMENTS TESTING SERVICES (Continued)		
4320B	Tellurium, Blood	\$239.00
4320SP	Tellurium, Serum/Plasma	\$239.00
4320U	Tellurium, Urine	\$239.00
4370B	Thallium, Blood	\$143.00
4370H	Thallium, Hair	\$398.00
4370LI	Thallium, Liquid	\$352.00
4370N	Thallium, Nails	\$398.00
4370SP	Thallium, Serum/Plasma	\$89.00
4370U	Thallium, Urine	\$94.00
4478SP	Thorium, Serum/Plasma	\$152.00
4478U	Thorium, Urine	\$253.00
4485B	Tin - Total, Blood	\$142.00
4485H	Tin - Total, Hair	\$484.00
4485SP	Tin - Total, Serum/Plasma	\$142.00
4485TI	Tin - Total, Tissue	\$91.00
4485U	Tin - Total, Urine	\$142.00
4486B	Titanium, Blood	\$146.00
4486FL	Titanium, Fluid	\$342.00
4486SP	Titanium, Serum/Plasma	\$146.00
4486U	Titanium, Urine	\$219.00
0470UH	Total, Inorganic Arsenic, 24 Hour Urine (+Creatinine)	\$162.00
4730B	Tungsten, Blood	\$181.00
4730SP	Tungsten, Serum/Plasma	\$181.00
4730U	Tungsten, Urine	\$181.00
4755UH	Uranium, 24 Hour Urine	\$181.00
4755U	Uranium, Urine	\$181.00
4765B	Vanadium, Blood	\$109.00
4765R	Vanadium, RBCs	\$109.00
4765SP	Vanadium, Serum/Plasma	\$109.00
4765U	Vanadium, Urine	\$114.00
4844B	Zinc, Blood	\$66.00
4844FL	Zinc, Fluid	\$265.00
4844H	Zinc, Hair	\$389.00
4844LI	Zinc, Liquid	\$534.00
4844N	Zinc, Nails	\$389.00
4844R	Zinc, RBCs	\$66.00
4844SP	Zinc, Serum/Plasma	\$66.00
4844U	Zinc, Urine	\$109.00
4885B	ZPP (Zinc Protoporphyrin), Blood	\$74.00

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2024 List Fee Schedule

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Test	Test Name	List Price
MISCELLANEOUS SERVICES		
HAIR KIT	Hair Kit/ Forensic	\$18.00
HAIRSEG	Hair Segmentation	\$182.00
HAIRSEG2	Hair Segmentation II	\$182.00
MICRO	Micro Specimen Surcharge	\$91.00
NONBIO/LIQ	Non-biological Fee (Liquid)	\$140.00
NONBIO/SOL	Non-biological Fee (Solid)	\$206.00
SHPCHG	Shipping Charge	\$41.00
HANDLING	Specimen Handling Fee	\$47.00
SPEC RET	Specimen Retention	\$2,500.00
RETURN	Specimen Return/Handling	\$63.00
NEWBORN TOXICOLOGY		
9351UC	Basic Drug Screen, Umbilical Cord Tissue	\$422.00
9352UC	Expanded Drug Screen, Umbilical Cord Tissue	\$563.00
9145UC	Comprehensive Drug Screen, Umbilical Cord Tissue	\$716.00
9146UC	Ethyl Glucuronide Screen, Umbilical Cord Tissue	\$326.00
6904ME	Drugs of Abuse Screen (7 Panel), Meconium	\$186.00
8670ME	Opiates - Total (Conjugated/Unconjugated) (Qualitative), Meconium	\$359.00
8761ME	Phencyclidine (Qualitative), Meconium	\$422.00
1864ME	Drugs of Abuse Screen (10 Panel), Meconium	\$218.00
8600ME	Amphetamines Panel (Qualitative), Meconium	\$300.00
8620ME	Barbiturates Panel (Qualitative), Meconium	\$447.00
9329ME	Benzodiazepines Panel (Qualitative), Meconium	\$296.00
4127ME	Buprenorphine and Metabolite - Total (Qualitative), Meconium	\$454.00
0960ME	Cannabinoids Panel (Qualitative), Meconium	\$340.00
1300ME	Cocaine and Metabolites (Qualitative), Meconium	\$435.00
2760ME	Methadone and Metabolite (Qualitative), Meconium	\$344.00
ORAL FLUID TESTING SERVICES		
8890OF	Amphetamines Panel (Qualitative), Oral Fluid (Saliva)	\$68.00
8891OF	Benzodiazepines Panel (Qualitative), Oral Fluid (Saliva)	\$68.00
8893OF	Cocaine and Metabolites (Qualitative), Oral Fluid (Saliva)	\$68.00
8892OF	Delta-9 THC (Qualitative), Oral Fluid (Saliva)	\$77.00
8900OF	Delta-9 THC (Quantitative), Oral Fluid (Saliva)	\$206.00
8898OF	Drugs of Abuse (6 Panel) (Qualitative), Oral Fluid (Saliva)	\$90.00
8897OF	Drugs of Abuse (7 Panel) (Qualitative), Oral Fluid (Saliva)	\$140.00
8894OF	Methadone and Metabolite (Qualitative), Oral Fluid (Saliva)	\$68.00
8895OF	Opiates (Qualitative), Oral Fluid (Saliva)	\$68.00
8896OF	Phencyclidine and Dextromethorphan (Qualitative), Oral Fluid (Saliva)	\$68.00

Effective January 1, 2024

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Expert Services

NMSlabs.com

Expert Services Professional Support

Effective January 1 to December 31, 2024*

Documents for Legal Proceedings

These are optional documents that may require subpoenas. Litigation Packets and Discovery Documentation require four to six weeks before trial to gather and process information.

Documents	Fee
Affidavits	\$89/each
Certified Lab Reports	\$89/each
Litigation Packet	\$89/each
Discovery Documentation—Hourly Rate	\$89/hour

Expert Opinions

Toxicologists at NMS Labs provide written reports that support analytical testing services. Fee includes the expert's time for consultation, documentation review, research, and preparation of a written report.

Expert Opinion	Fee
Senior Toxicologist Review	\$467/hour
Toxicologist Review	\$410/hour

Court Testimony and Depositions

In-person or video testimony, depositions, pre-trial preparation, wait time, and travel time are all included.

Expert Testimony	Fee
Hourly Rate	\$293/hour
Daily Rate	\$3,515/day

Client is responsible for all travel-related expenses, mileage, meals, flights, hotels, etc. *All fees are calculated on an hourly basis. Daily rate will be applied after 10 hours of time is spent on any of the above activities, per day, related to each testimony event.*

For questions call Expert Services at [844.276.0768](tel:844.276.0768)

or email ExpertServices@NMSlabs.com for more information.

*Other terms and conditions may apply.



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