



Effective Date:  
Monday, July 10, 2023

## Test Updates

In our continuing effort to provide you with the highest quality toxicology laboratory services available, we have compiled important changes regarding a number of tests we perform. Listed below are the types of changes that may be included in this notification, effective Monday, July 10, 2023

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**Test Changes** - Tests that have had changes to the method/ CPT code, units of measurement, scope of analysis, reference comments, or specimen requirements.

**Discontinued Tests** - Tests being discontinued with alternate testing suggestions.

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Please use this information to update your computer systems/records. These changes are important to ensure standardization of our mutual laboratory databases.

If you have any questions about the information contained in this notification, please call our Client Support Department at (866) 522-2206. Thank you for your continued support of NMS Labs and your assistance in implementing these changes.

The CPT Codes provided in this document are based on AMA guidelines and are for informational purposes only. NMS Labs does not assume responsibility for billing errors due to reliance on the CPT Codes listed in this document.



Effective Date:  
Monday, July 10, 2023

## Test Updates

Test	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
0606FL	Cocaine and Metabolites Screen, Fluid			•					
9145UC	Comprehensive Drug Screen, Umbilical Cord Tissue					•			
2423B	Comprehensive Volatiles Panel, Blood		•	•		•			
2423TI	Comprehensive Volatiles Panel, Tissue		•			•			
8082B	DUID/DRE Inhalants Add-On, Blood (Forensic)			•		•			
1480U	Designer Opioids (Qualitative), Urine				•	•			
1480B	Designer Opioids, Blood					•			
1480SP	Designer Opioids, Serum/Plasma					•			
8103B	Environmental Exposure Screen, Blood		•			•			
54300B	Inhalants 1 Confirmation (DUID/DRE), Blood								•
54301B	Inhalants 2 Confirmation (Qualitative) (DUID/DRE), Blood								•
2412B	Inhalants Panel, Alkane Gases, Blood		•	•		•			
2412TI	Inhalants Panel, Alkane Gases, Tissue		•			•			
2520R	Lithium, RBCs			•	•				
8155U	Postmortem Designer Opioids Add-On (Qualitative), Urine (Forensic)				•	•			
8155B	Postmortem Designer Opioids Add-On, Blood (Forensic)					•			
8155SP	Postmortem Designer Opioids Add-On, Serum/Plasma (Forensic)					•			
4350B	Tetrahydrozoline, Blood							•	
4350SP	Tetrahydrozoline, Serum/Plasma							•	
4350U	Tetrahydrozoline, Urine							•	



# Test Updates

## Test Changes

### 0606FL Cocaine and Metabolites Screen, Fluid

Summary of Changes: Specimen Requirements were changed.

- Specimen Requirements: 3 mL Fluid
- Transport Temperature: Refrigerated
- Specimen Container: Plastic container (preservative-free)
- Light Protection: Not Required
- Special Handling: None
- Rejection Criteria: None

### 9145UC Comprehensive Drug Screen, Umbilical Cord Tissue

Summary of Changes: Scope of Analysis was changed.  
Gabapentin and Mitragynine were added.

Scope of Analysis: LC-MS/MS (80307): 6-Monoacetylmorphine - Free, 7-Amino Clonazepam, Acetyl Fentanyl, alpha-PVP, Alprazolam, Amphetamine, Benzoylcegonine, Buprenorphine - Free, Butalbital, Carisoprodol, Chlordiazepoxide, Clonazepam, Cocaethylene, Cocaine, Codeine - Free, Delta-9 Carboxy THC, Delta-9 THC, Desalkylflurazepam, Dextro / Levo Methorphan, Diazepam, Dihydrocodeine / Hydrocodol - Free, EDDP, Ethylone, Fentanyl, Flunitrazepam, Flurazepam, Gabapentin, Hydrocodone - Free, Hydromorphone - Free, Hydroxytriazolam, Lorazepam, MDA, MDEA, MDMA, Meperidine, Meprobamate, Methadone, Methamphetamine, Methylone, Midazolam, Mitragynine, Morphine - Free, Norbuprenorphine - Free, Nordiazepam, Norfentanyl, Norhydrocodone, Normeperidine, Noroxycodone, O-Desmethyltramadol, Oxazepam, Oxycodone - Free, Oxymorphone - Free, Phencyclidine, Phenobarbital, Tapentadol, Temazepam, Tramadol, Triazolam, Zolpidem

Analyte Name	Units	Reference Comment
Gabapentin	ng/g	
Mitragynine	ng/g	

### 2423B Comprehensive Volatiles Panel, Blood

Summary of Changes: Specimen Requirements were changed.  
Scope of Analysis was changed.  
Order of Reporting was changed.  
Methods/CPT Codes were changed [GC/MS (84600)]

- Specimen Requirements: 9 mL Blood
- Transport Temperature: Refrigerated
- Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA)
- Light Protection: Not Required
- Special Handling: Tube should be filled to prevent loss of volatile compound into headspace. Ensure that container remains tightly sealed.
- Rejection Criteria: None



Effective Date:  
Monday, July 10, 2023

## Test Updates

### Test Changes

Scope of Analysis: Headspace GC (84600): Volatiles  
Method (CPT Code) GC (84600): Ethane, Propane, Isobutane, n-Butane  
GC (82441): Halocarbons  
GC/MS (84600): 1,1-Difluoroethane, 1,1,1,2-Tetrafluoroethane  
GC/MS (84600): Methane

#### 2423TI Comprehensive Volatiles Panel, Tissue

Summary of Changes: Scope of Analysis was changed.  
Order of Reporting was changed.  
Methods/CPT Codes were changed [GC/MS (84600)]

Scope of Analysis: Headspace GC (84600): Volatiles  
Method (CPT Code) GC (84600): Ethane, Propane, Isobutane, n-Butane  
GC (82441): Halocarbons  
GC/MS (84600): 1,1-Difluoroethane, 1,1,1,2-Tetrafluoroethane  
GC/MS (84600): Methane

#### 8082B DUID/DRE Inhalants Add-On, Blood (Forensic)

Summary of Changes: Specimen Requirements were changed.  
Scope of Analysis was changed.  
n-Butanol, Isobutanol, Iso-Amyl Alcohol, Benzene, Ethyl Ether, Heptane, Hexane, Methyl Ethyl Ketone, Pentane, Styrene, Toluene, o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) - Total, Methane, Ethane, Propane, Isobutane and n-Butane were removed.

Specimen Requirements: 2 mL Blood  
Transport Temperature: Refrigerated  
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA)  
Light Protection: Not Required  
Special Handling: Ensure that container remains tightly sealed.  
Rejection Criteria: None  
Scope of Analysis: GC/MS (84600): 1,1-Difluoroethane, 1,1,1,2-Tetrafluoroethane  
Method (CPT Code)

#### 1480U Designer Opioids (Qualitative), Urine

Summary of Changes: Stability was changed.  
Scope of Analysis was changed.  
4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, U-49900, U-51754 and para-Fluorobutyrylfentanyl were removed.

Stability: Room Temperature: 30 day(s)  
Refrigerated: 30 day(s)  
Frozen (-20 °C): 30 day(s)



## Test Updates

### Test Changes

Scope of Analysis: LC-MS/MS (80354, 80364): Methoxyacetylfentanyl, Acrylfentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, Carfentanil, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, Valerylfentanyl

#### 1480B Designer Opioids, Blood

Summary of Changes: Scope of Analysis was changed.  
4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, U-49900, U-51754 and para-Fluorobutyrylfentanyl were removed.

Scope of Analysis: LC-MS/MS (80354, 80364): Methoxyacetylfentanyl, Acrylfentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, Carfentanil, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, Valerylfentanyl

#### 1480SP Designer Opioids, Serum/Plasma

Summary of Changes: Scope of Analysis was changed.  
4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, U-49900, U-51754 and para-Fluorobutyrylfentanyl were removed.

Scope of Analysis: LC-MS/MS (80354, 80364): Methoxyacetylfentanyl, Acrylfentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, Carfentanil, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, Valerylfentanyl

#### 8103B Environmental Exposure Screen, Blood

Summary of Changes: Scope of Analysis was changed.  
Order of Reporting was changed.  
Methods/CPT Codes were changed [GC/MS (84600)]

Scope of Analysis: LC-MS/MS (80307): Cyanide  
Method (CPT Code) GC/MS (84600): Methane  
ICP-MS (80307): Bromine - Total  
Headspace GC (80307): Ethanol, Blood Alcohol Concentration (BAC), Methanol, Isopropanol, Acetone  
ICP/MS (82175, 83018x3, 83655): Arsenic, Antimony, Thallium, Lead, Bismuth  
ICP/MS (84255): Selenium  
ICP/MS (83825): Mercury  
GC (83921): Trichloroacetic Acid  
Headspace GC (84600): Volatiles  
GC (84600): Ethane, Propane, Isobutane, n-Butane  
GC (84600): Halocarbons  
SP (80307): Carboxyhemoglobin  
SP (83050, 83060): Methemoglobin, Sulphemoglobin

#### 2412B Inhalants Panel, Alkane Gases, Blood



Effective Date:  
Monday, July 10, 2023

## Test Updates

### Test Changes

Summary of Changes: Specimen Requirements were changed.  
Scope of Analysis was changed.  
Order of Reporting was changed.  
Methods/CPT Codes were changed [GC/MS (84600)]

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Specimen Requirements: 5 mL Blood  
Transport Temperature: Refrigerated  
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)  
Light Protection: Not Required  
Special Handling: Ensure that container remains tightly sealed.  
Rejection Criteria: None  
Scope of Analysis: GC (84600): Ethane, Propane, Isobutane, n-Butane  
Method (CPT Code) GC/MS (84600): Methane

#### 2412TI Inhalants Panel, Alkane Gases, Tissue

Summary of Changes: Scope of Analysis was changed.  
Order of Reporting was changed.  
Methods/CPT Codes were changed [GC/MS (84600)]

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Scope of Analysis: GC (84600): Ethane, Propane, Isobutane, n-Butane  
Method (CPT Code) GC/MS (84600): Methane

#### 2520R Lithium, RBCs

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.  
Stability was changed.

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Specimen Requirements: 2 mL RBCs  
Transport Temperature: Refrigerated  
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)  
Light Protection: Not Required  
Special Handling: Submit in container with a non-Lithium based anticoagulant. Tubes containing Lithium based anticoagulants are not acceptable. Centrifuge and separate RBCs into an acid washed screw capped vial within two hours of collection.  
Rejection Criteria: Received Room Temperature. Received Frozen. Light Green top tube (Lithium Heparin).  
Stability: Room Temperature: Not Stable  
Refrigerated: Undetermined  
Frozen (-20 °C): Not Stable  
Frozen (-70 °C): Not Stable

#### 8155U Postmortem Designer Opioids Add-On (Qualitative), Urine (Forensic)



## Test Updates

### Test Changes

Summary of Changes: Stability was changed.  
Scope of Analysis was changed.  
4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, U-49900, U-51754 and para-Fluorobutyrylfentanyl were removed.

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Stability: Room Temperature: 30 day(s)  
Refrigerated: 30 day(s)  
Frozen (-20 °C): 30 day(s)

Scope of Analysis: LC-MS/MS (80354, 80364): Methoxyacetylfentanyl, Acrylfentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, Carfentanil, Cyclopropylylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, Valerylfentanyl

#### 8155B Postmortem Designer Opioids Add-On, Blood (Forensic)

Summary of Changes: Scope of Analysis was changed.  
4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, U-49900, U-51754 and para-Fluorobutyrylfentanyl were removed.

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Scope of Analysis: LC-MS/MS (80354, 80364): Methoxyacetylfentanyl, Acrylfentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, Carfentanil, Cyclopropylylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, Valerylfentanyl

#### 8155SP Postmortem Designer Opioids Add-On, Serum/Plasma (Forensic)

Summary of Changes: Scope of Analysis was changed.  
4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, U-49900, U-51754 and para-Fluorobutyrylfentanyl were removed.

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Scope of Analysis: LC-MS/MS (80354, 80364): Methoxyacetylfentanyl, Acrylfentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, Carfentanil, Cyclopropylylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, Valerylfentanyl

#### 4350B Tetrahydrozoline, Blood

Summary of Changes: Reference Comment was changed.

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Scope of Analysis: LC-MS/MS (80375): Tetrahydrozoline  
Method (CPT Code)



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## Test Updates

### Test Changes

Analyte Name	Units	Reference Comment
Tetrahydrozoline	ng/mL	<p>Tetrahydrozoline (Visine®) is an alpha-2 adrenergic agonist used as a vasoconstrictor and topical decongestant. It is available over-the-counter as a 0.05% w/v tetrahydrozoline HCl solution used to treat red eyes or a 0.1% w/v solution to treat nasal congestion.</p> <p>In a study of ten individuals who received two drops in each eye at 0-, 4-, 8- and 12-hours, peak serum concentrations were 0.068-0.380 ng/mL.</p> <p>The blood to plasma ratio is unknown.</p>

#### 4350SP Tetrahydrozoline, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80375): Tetrahydrozoline  
Method (CPT Code)

Analyte Name	Units	Reference Comment
Tetrahydrozoline	ng/mL	<p>Tetrahydrozoline (Visine®) is an alpha-2 adrenergic agonist used as a vasoconstrictor and topical decongestant. It is available over-the-counter as a 0.05% w/v tetrahydrozoline HCl solution used to treat red eyes or a 0.1% w/v solution to treat nasal congestion.</p> <p>In a study of ten individuals who received two drops in each eye at 0-, 4-, 8- and 12-hours, peak serum concentrations were 0.068-0.380 ng/mL.</p>

#### 4350U Tetrahydrozoline, Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80375): Tetrahydrozoline  
Method (CPT Code)

Analyte Name	Units	Reference Comment
Tetrahydrozoline	ng/mL	<p>Tetrahydrozoline (Visine®) is an alpha-2 adrenergic agonist used as a vasoconstrictor and topical decongestant. It is available over-the-counter as a 0.05% w/v tetrahydrozoline HCl solution used to treat red eyes or a 0.1% w/v solution to treat nasal congestion.</p>





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# Test Updates

## Discontinued Tests

Test	Test Name	Alternative Test
54300B	Inhalants 1 Confirmation (DUID/DRE), Blood	No Alternate Tests Available
54301B	Inhalants 2 Confirmation (Qualitative) (DUID/DRE), Blood	No Alternate Tests Available