



Effective Date:

Monday, March 04, 2024

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, March 04, 2024

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.

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.



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Test Updates

Test	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
0080SP	Acetone, Serum/Plasma							•	
0170SP	Alcohol Panel, Serum/Plasma							•	
52250SP	Alcohols and Acetone Confirmation, Serum/Plasma							•	
53250SP	Alcohols and Acetone Confirmation, Serum/Plasma							•	
50002SP	Amphetamines Confirmation, Serum/Plasma							•	
52483SP	Amphetamines Confirmation, Serum/Plasma							•	
52491SP	Amphetamines Confirmation, Serum/Plasma							•	
5684SP	Amphetamines Confirmation, Serum/Plasma							•	
8600SP	Amphetamines Panel, Serum/Plasma							•	
5450SP	Antidepressants Confirmation (Qualitative), Serum/Plasma							•	
4655SP	Antidepressants Panel 1, Serum/Plasma							•	
8700SP	Antidepressants Panel, Serum/Plasma							•	
9431SP	Antidepressants Screen, Serum/Plasma							•	
0785B	Aromatic Solvents Exposure Panel, Blood							•	
2416U	Aromatic Solvents Metabolites Panel, Urine							•	
0487SP	Atovaquone, Serum/Plasma							•	
0541B	Benzene, Blood							•	
0610SP	Benzphetamine as Metabolites, Serum/Plasma							•	
5419B	Chloral Hydrate Confirmation (Qualitative), Blood							•	
9401B	Chloral Hydrate Screen, Blood							•	
1044B	Chloral Hydrate, Blood							•	
52023SP	Clozapine and Metabolite Confirmation, Serum/Plasma							•	
1287SP	Clozapine and Metabolite, Serum/Plasma							•	
1810SP	Doxepin and Metabolite, Serum/Plasma							•	
8091SP	Drugs of Abuse (10 Panel) and Alcohol Screen, Serum/Plasma							•	
8101SP	Drugs of Abuse (10 Panel) and Alcohol Screen, Serum/Plasma							•	
2029U	Ethylbenzene Exposure Biouptake, Urine							•	
52486SP	Fentanyl and 4-ANPP Confirmation, Serum/Plasma							•	
52484SP	Fentanyl and Acetyl Fentanyl Confirmation, Serum/Plasma							•	



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Test	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
5643SP	Fentanyl and Acetyl Fentanyl Confirmation, Serum/Plasma							•	
5640SP	Fentanyl and Metabolite Confirmation, Serum/Plasma							•	
9176SP	Fentanyl and Metabolite Screen, Serum/Plasma							•	
2079SP	Fentanyl and Metabolite, Serum/Plasma							•	
6303B	Firefighter Core Baseline Profile, Blood							•	
2321B	Hydrocarbon and Oxygenated Volatiles Panel, Blood							•	
2445SP	Isopropanol and Acetone, Serum/Plasma							•	
54258B	Ketamine and Metabolite Confirmation (DUID/DRE), Blood (Forensic)	•	•	•					
54258U	Ketamine and Metabolite Confirmation (Qualitative) (DUID/DRE), Urine (Forensic)	•	•						
52058B	Ketamine and Metabolite Confirmation, Blood		•	•					
5534B	Ketamine and Metabolite Confirmation, Blood		•	•					
52058FL	Ketamine and Metabolite Confirmation, Fluid (Forensic)	•	•	•					
52058SP	Ketamine and Metabolite Confirmation, Serum/Plasma		•	•					
5534SP	Ketamine and Metabolite Confirmation, Serum/Plasma		•	•					
52058TI	Ketamine and Metabolite Confirmation, Tissue (Forensic)	•	•						
52058U	Ketamine and Metabolite Confirmation, Urine		•						
5534U	Ketamine and Metabolite Confirmation, Urine		•						
53585U	Ketamine and Metabolite DFC Confirmation (Qualitative), Urine (Forensic)		•	•					
52512U	Ketamine and Metabolite DFC Confirmation, Urine		•	•					
9188B	Ketamine and Metabolite Screen, Blood		•	•					
9188SP	Ketamine and Metabolite Screen, Serum/Plasma		•	•					
9188U	Ketamine and Metabolite Screen, Urine		•	•					
2479B	Ketamine and Metabolite, Blood		•	•					
2479FL	Ketamine and Metabolite, Fluid		•	•					
2479SP	Ketamine and Metabolite, Serum/Plasma		•	•					
2479TI	Ketamine and Metabolite, Tissue		•						
2479U	Ketamine and Metabolite, Urine		•						



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Test	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
2480SP	Ketone Bodies Panel, Serum/Plasma							•	
2800SP	Lisdexamfetamine as Metabolite, Serum/Plasma							•	
2604SP	Melatonin, Serum/Plasma							•	
50015SP	Methadone and Metabolite Confirmation, Serum/Plasma							•	
5682SP	Methadone and Metabolite Confirmation, Serum/Plasma							•	
8722SP	Methadone and Metabolite, Serum/Plasma							•	
5687SP	Methamphetamine and Metabolite Confirmation, Serum/Plasma							•	
2810SP	Methamphetamine and Metabolite, Serum/Plasma							•	
2837SP	Methanol Poisoning Profile, Serum/Plasma							•	
4213U	Styrene Exposure Profile, Urine							•	
4650B	Trichloroethylene, Blood							•	
2415B	Volatile and Halocarbon Intoxicants, Blood							•	



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Test Changes

0080SP Acetone, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (80320): Acetone
Method (CPT Code)

Analyte Name	Units	Reference Comment
Acetone	mg/dL	Plasma acetone concentrations may be markedly elevated during diabetic ketoacidosis and may range as high as 75 mg/dL.

0170SP Alcohol Panel, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (80320): Ethanol, Methanol, Isopropanol, Acetone
Method (CPT Code)

Analyte Name	Units	Reference Comment
Acetone	mg/dL	Plasma acetone concentrations may be markedly elevated during diabetic ketoacidosis and may range as high as 75 mg/dL.

52250SP Alcohols and Acetone Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (80320): Ethanol, Methanol, Isopropanol, Acetone
Method (CPT Code)

Analyte Name	Units	Reference Comment
Acetone	mg/dL	Plasma acetone concentrations may be markedly elevated during diabetic ketoacidosis and may range as high as 75 mg/dL.

53250SP Alcohols and Acetone Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (80320): Ethanol, Methanol, Isopropanol, Acetone
Method (CPT Code)

Analyte Name	Units	Reference Comment
Acetone	mg/dL	Plasma acetone concentrations may be markedly elevated during diabetic ketoacidosis and may range as high as 75 mg/dL.



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50002SP Amphetamines Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80324, 80359): Amphetamine, Methamphetamine, MDA, MDMA
Method (CPT Code)

Analyte Name	Units	Reference Comment
Amphetamine	ng/mL	Amphetamine is a drug as well as the metabolite of Methamphetamine. Benzphetamine is rapidly metabolized to Methamphetamine and Amphetamine. This test reports Amphetamine as the total of the undifferentiated d and l enantiomers.

52483SP Amphetamines Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80326, 80359): Ephedrine, Pseudoephedrine, Phenylpropanolamine,
Method (CPT Code) Norpseudoephedrine, Amphetamine, Phentermine, Methamphetamine, MDA,
MDMA, MDEA

Analyte Name	Units	Reference Comment
Amphetamine	ng/mL	Amphetamine is a drug as well as the metabolite of Methamphetamine. Benzphetamine is rapidly metabolized to Methamphetamine and Amphetamine. This test reports Amphetamine as the total of the undifferentiated d and l enantiomers.

52491SP Amphetamines Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80326, 80359): Amphetamine, Methamphetamine, MDA, MDMA
Method (CPT Code)

Analyte Name	Units	Reference Comment
Amphetamine	ng/mL	Amphetamine is a drug as well as the metabolite of Methamphetamine. Benzphetamine is rapidly metabolized to Methamphetamine and Amphetamine. This test reports Amphetamine as the total of the undifferentiated d and l enantiomers.

5684SP Amphetamines Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.



Test Updates

Test Changes

Scope of Analysis: LC-MS/MS (80326, 80359): Ephedrine, Pseudoephedrine, Phenylpropanolamine,
Method (CPT Code) Norpseudoephedrine, Amphetamine, Phentermine, Methamphetamine, MDA,
MDMA, MDEA

Analyte Name	Units	Reference Comment
Amphetamine	ng/mL	Amphetamine is a drug as well as the metabolite of Methamphetamine. Benzphetamine is rapidly metabolized to Methamphetamine and Amphetamine. This test reports Amphetamine as the total of the undifferentiated d and l enantiomers.

8600SP Amphetamines Panel, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80326, 80359): Ephedrine, Pseudoephedrine, Phenylpropanolamine,
Method (CPT Code) Norpseudoephedrine, Amphetamine, Phentermine, Methamphetamine, MDA,
MDMA, MDEA

Analyte Name	Units	Reference Comment
Amphetamine	ng/mL	Amphetamine is a drug as well as the metabolite of Methamphetamine. Benzphetamine is rapidly metabolized to Methamphetamine and Amphetamine. This test reports Amphetamine as the total of the undifferentiated d and l enantiomers.

5450SP Antidepressants Confirmation (Qualitative), Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: GC/MS (80332, 80337, 80338): Amitriptyline, Nortriptyline, Clomipramine,
Method (CPT Code) Desmethylclomipramine, Imipramine, Desipramine, Doxepin, Desmethyldoxepin,
Trimipramine, Desmethyltrimipramine, Fluoxetine, Norfluoxetine, Protriptyline,
Maprotiline, Trazodone, Amoxapine, Mirtazapine

Analyte Name	Units	Reference Comment
Doxepin	ng/mL	23 adult patients on an average antidepressant dose of 113 mg Doxepin/day: 0-80 ng Desmethyldoxepin/mL.
Desmethyldoxepin	ng/mL	23 adult patients on an average antidepressant dose of 113 mg Doxepin/day: 0-80 ng Desmethyldoxepin/mL.

4655SP Antidepressants Panel 1, Serum/Plasma

Summary of Changes: Reference Comment was changed.



Test Changes

Scope of Analysis: GC (80332, 80337, 80338): Amitriptyline, Nortriptyline, Clomipramine,
 Method (CPT Code) Desmethylclomipramine, Imipramine, Desipramine, Doxepin, Desmethyldoxepin,
 Trimipramine, Desmethyltrimipramine, Fluoxetine, Norfluoxetine, Protriptyline,
 Maprotiline, Trazodone, Amoxapine, Mirtazapine

Analyte Name	Units	Reference Comment
Doxepin	ng/mL	23 adult patients on an average antidepressant dose of 113 mg Doxepin/day: 0-80 ng Desmethyldoxepin/mL.
Desmethyldoxepin	ng/mL	23 adult patients on an average antidepressant dose of 113 mg Doxepin/day: 0-80 ng Desmethyldoxepin/mL.

8700SP Antidepressants Panel, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: GC & GC/MS (80332, 80337, 80338): Amitriptyline, Nortriptyline, Clomipramine,
 Method (CPT Code) Desmethylclomipramine, Imipramine, Desipramine, Doxepin, Desmethyldoxepin,
 Trimipramine, Desmethyltrimipramine, Fluoxetine, Norfluoxetine, Protriptyline,
 Maprotiline, Trazodone, Amoxapine, Mirtazapine

Analyte Name	Units	Reference Comment
Doxepin	ng/mL	23 adult patients on an average antidepressant dose of 113 mg Doxepin/day: 0-80 ng Desmethyldoxepin/mL.
Desmethyldoxepin	ng/mL	23 adult patients on an average antidepressant dose of 113 mg Doxepin/day: 0-80 ng Desmethyldoxepin/mL.

9431SP Antidepressants Screen, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: GC (80307): Amitriptyline, Nortriptyline, Clomipramine, Desmethylclomipramine,
 Method (CPT Code) Imipramine, Desipramine, Doxepin, Desmethyldoxepin, Trimipramine,
 Desmethyltrimipramine, Fluoxetine, Norfluoxetine, Protriptyline, Maprotiline,
 Trazodone, Amoxapine, Mirtazapine

Analyte Name	Units	Reference Comment
Doxepin	ng/mL	23 adult patients on an average antidepressant dose of 113 mg Doxepin/day: 0-80 ng Desmethyldoxepin/mL.
Desmethyldoxepin	ng/mL	23 adult patients on an average antidepressant dose of 113 mg Doxepin/day: 0-80 ng Desmethyldoxepin/mL.



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Test Changes

0785B Aromatic Solvents Exposure Panel, Blood

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (84600): Benzene, Toluene, o-Xylene, p-Xylene, m-Xylene, Xylenes
Method (CPT Code) (o,m,p) - Total, Ethylbenzene, Styrene

Analyte Name	Units	Reference Comment
Benzene	mcg/mL	Blood is not recommended for identifying low levels of benzene exposure.

2416U Aromatic Solvents Metabolites Panel, Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: GC (84600): o-Cresol, o-Cresol (Creatinine corrected), Phenol - Total, Phenol - Total (Creatinine corrected), p-and/or m-Cresol
Method (CPT Code) LC-MS/MS (83921): Phenylglyoxylic Acid, Phenylglyoxylic Acid (Creatinine corrected), Mandelic Acid, Mandelic Acid (Creatinine corrected), Mandelic Acid Plus Phenylglyoxylic Acid (Creatinine corrected), Hippuric Acid, Hippuric Acid (Creatinine corrected), 2-Methylhippuric Acid, 2-Methylhippuric Acid (Creatinine corrected), 3- and 4-Methylhippuric Acid, 3- and 4-Methylhippuric Acid (Creatinine corrected), Methylhippuric Acids - Total, Methylhippuric Acids - Total (Creatinine corrected)
Colorimetry (82570): Creatinine
LC-MS/MS (83921): S-Phenylmercapturic Acid, S-Phenylmercapturic Acid (Creatinine corrected)

Analyte Name	Units	Reference Comment
Mandelic Acid Plus Phenylglyoxylic Acid (Creatinine corrected)	g/g Creat	The ACGIH Biological Exposure Indices (BEI) for Mandelic Acid plus Phenylglyoxylic Acid in an end of shift urine sample: Following exposure to Ethylbenzene: 0.15 g/g creatinine Following exposure to Styrene: 0.4 g/g creatinine.

0487SP Atovaquone, Serum/Plasma

Summary of Changes: Reference Comment was changed.

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

Analyte Name	Units	Reference Comment
Atovaquone	mcg/mL	The recommended therapeutic range in plasma is 14 +/- 7 mcg/mL for treatment of malaria. Failure to administer Atovaquone with food may result in lower Atovaquone plasma concentrations.

0541B Benzene, Blood



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Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (84600): Benzene
Method (CPT Code)

Analyte Name	Units	Reference Comment
Benzene	mcg/mL	Blood is not recommended for identifying low levels of benzene exposure.

0610SP Benzphetamine as Metabolites, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80324): Amphetamine, Methamphetamine
Method (CPT Code)

Analyte Name	Units	Reference Comment
Amphetamine	ng/mL	Amphetamine is a drug as well as the metabolite of Methamphetamine. Benzphetamine is rapidly metabolized to Methamphetamine and Amphetamine. This test reports Amphetamine as the total of the undifferentiated d and l enantiomers.

5419B Chloral Hydrate Confirmation (Qualitative), Blood

Summary of Changes: Reference Comment was changed.

Scope of Analysis: GC (82441): Trichloroethanol
Method (CPT Code)

Analyte Name	Units	Reference Comment
Trichloroethanol	mcg/mL	Usual therapeutic range following 1 gram of chloral hydrate is 2-12 mcg trichloroethanol/mL blood. Biological Exposure Index (ACGIH) following exposure is 0.5 mcg trichloroethanol/mL blood measured in an end of shift at end of work week specimen.

9401B Chloral Hydrate Screen, Blood

Summary of Changes: Reference Comment was changed.

Scope of Analysis: GC (80307): Trichloroethanol
Method (CPT Code)



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Analyte Name	Units	Reference Comment
Trichloroethanol	mcg/mL	Usual therapeutic range following 1 gram of chloral hydrate is 2-12 mcg trichloroethanol/mL blood. Biological Exposure Index (ACGIH) following exposure is 0.5 mcg trichloroethanol/mL blood measured in an end of shift at end of work week specimen.

1044B Chloral Hydrate, Blood

Summary of Changes: Reference Comment was changed.

Scope of Analysis: GC (82441): Trichloroethanol
Method (CPT Code)

Analyte Name	Units	Reference Comment
Trichloroethanol	mcg/mL	Usual therapeutic range following 1 gram of chloral hydrate is 2-12 mcg trichloroethanol/mL blood. Biological Exposure Index (ACGIH) following exposure is 0.5 mcg trichloroethanol/mL blood measured in an end of shift at end of work week specimen.

52023SP Clozapine and Metabolite Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80159): Clozapine, Norclozapine
Method (CPT Code)

Analyte Name	Units	Reference Comment
Clozapine	ng/mL	Optimal response achieved when clozapine + norclozapine totals at least 450 ng/mL.

1287SP Clozapine and Metabolite, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80159): Clozapine, Norclozapine
Method (CPT Code)

Analyte Name	Units	Reference Comment
Clozapine	ng/mL	Optimal response achieved when clozapine + norclozapine totals at least 450 ng/mL.

1810SP Doxepin and Metabolite, Serum/Plasma

Summary of Changes: Reference Comment was changed.



Test Changes

Scope of Analysis: GC (80335): Doxepin, Desmethyldoxepin
Method (CPT Code)

Analyte Name	Units	Reference Comment
Doxepin	ng/mL	23 adult patients on an average antidepressant dose of 113 mg Doxepin/day: 0-80 ng Desmethyldoxepin/mL.
Desmethyldoxepin	ng/mL	23 adult patients on an average antidepressant dose of 113 mg Doxepin/day: 0-80 ng Desmethyldoxepin/mL.

8091SP Drugs of Abuse (10 Panel) and Alcohol Screen, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (80307): Ethanol, Methanol, Isopropanol, Acetone
Method (CPT Code) ELISA (80307): Opiates, Cocaine / Metabolites, Benzodiazepines, Cannabinoids, Amphetamines, Barbiturates, Methadone / Metabolite, Phencyclidine, Methamphetamine / MDMA, Oxycodone / Oxymorphone

Analyte Name	Units	Reference Comment
Acetone	mg/dL	Plasma acetone concentrations may be markedly elevated during diabetic ketoacidosis and may range as high as 75 mg/dL.

8101SP Drugs of Abuse (10 Panel) and Alcohol Screen, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (80307): Ethanol, Methanol, Isopropanol, Acetone
Method (CPT Code) ELISA (80307): Opiates, Cocaine / Metabolites, Benzodiazepines, Cannabinoids, Amphetamines, Barbiturates, Methadone / Metabolite, Phencyclidine, Methamphetamine / MDMA, Oxycodone / Oxymorphone

Analyte Name	Units	Reference Comment
Acetone	mg/dL	Plasma acetone concentrations may be markedly elevated during diabetic ketoacidosis and may range as high as 75 mg/dL.

2029U Ethylbenzene Exposure Biouptake, Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Colorimetry (82570): Creatinine
Method (CPT Code) LC-MS/MS (83921): Phenylglyoxylic Acid, Phenylglyoxylic Acid (Creatinine corrected), Mandelic Acid, Mandelic Acid (Creatinine corrected), Mandelic Acid Plus Phenylglyoxylic Acid (Creatinine corrected)



Test Updates

Test Changes

Analyte Name	Units	Reference Comment
Mandelic Acid Plus Phenylglyoxylic Acid (Creatinine corrected)	g/g Creat	The ACGIH Biological Exposure Indices (BEI) for Mandelic Acid plus Phenylglyoxylic Acid in an end of shift urine sample: Following exposure to Ethylbenzene: 0.15 g/g creatinine Following exposure to Styrene: 0.4 g/g creatinine.

52486SP Fentanyl and 4-ANPP Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80362): Fentanyl, Norfentanyl, Acetyl Fentanyl, 4-ANPP
Method (CPT Code)

Analyte Name	Units	Reference Comment
Norfentanyl	ng/mL	Therapeutic range is not established.

52484SP Fentanyl and Acetyl Fentanyl Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80354): Fentanyl, Norfentanyl, Acetyl Fentanyl
Method (CPT Code)

Analyte Name	Units	Reference Comment
Norfentanyl	ng/mL	Therapeutic range is not established.

5643SP Fentanyl and Acetyl Fentanyl Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80354): Fentanyl, Norfentanyl, Acetyl Fentanyl
Method (CPT Code)

Analyte Name	Units	Reference Comment
Norfentanyl	ng/mL	Therapeutic range is not established.

5640SP Fentanyl and Metabolite Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80354): Fentanyl, Norfentanyl
Method (CPT Code)

Analyte Name	Units	Reference Comment
Norfentanyl	ng/mL	Therapeutic range is not established.



Test Changes

9176SP Fentanyl and Metabolite Screen, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80307): Fentanyl, Norfentanyl
Method (CPT Code)

Analyte Name	Units	Reference Comment
Norfentanyl	ng/mL	Therapeutic range is not established.

2079SP Fentanyl and Metabolite, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80354): Fentanyl, Norfentanyl
Method (CPT Code)

Analyte Name	Units	Reference Comment
Norfentanyl	ng/mL	Therapeutic range is not established.

6303B Firefighter Core Baseline Profile, Blood

Summary of Changes: Reference Comment was changed.

Scope of Analysis: ICP/MS (83655): Lead
Method (CPT Code) H (84202): ZPP, ZPP (OSHA Converted Units)
Headspace GC (84600): Benzene, Ethylbenzene, Styrene, Toluene, o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) - Total, n-Heptane, n-Hexane, Methylpentanes (2- and 3- Isomers), Pentane, n-Butanol, Ethanol, Isopropanol, n-Propanol, Methanol, Acetaldehyde, Acetone, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Methyl n-Butyl Ketone, Diethyl Ether, Methyl Tertiary Butyl Ether

Analyte Name	Units	Reference Comment
Benzene	mcg/mL	Blood is not recommended for identifying low levels of benzene exposure.

2321B Hydrocarbon and Oxygenated Volatiles Panel, Blood

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (84600): Benzene, Ethylbenzene, Styrene, Toluene, o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) - Total, n-Heptane, n-Hexane, Methylpentanes (2- and 3- Isomers), Pentane, n-Butanol, Ethanol, Isopropanol, n-Propanol, Methanol, Acetaldehyde, Acetone, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Methyl n-Butyl Ketone, Diethyl Ether, Methyl Tertiary Butyl Ether, Sec-Butanol, Tert-Butanol, Iso- Amyl Alcohol, Isobutanol, Tetrahydrofuran



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Analyte Name	Units	Reference Comment
Benzene	mcg/mL	Blood is not recommended for identifying low levels of benzene exposure.

2445SP Isopropanol and Acetone, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (80320): Isopropanol, Acetone
Method (CPT Code)

Analyte Name	Units	Reference Comment
Acetone	mg/dL	Plasma acetone concentrations may be markedly elevated during diabetic ketoacidosis and may range as high as 75 mg/dL.

54258B Ketamine and Metabolite Confirmation (DUID/DRE), Blood (Forensic)

Summary of Changes: Test Name was changed.
Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]

Specimen Requirements: 1 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

54258U Ketamine and Metabolite Confirmation (Qualitative) (DUID/DRE), Urine (Forensic)

Summary of Changes: Test Name was changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]

Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

52058B Ketamine and Metabolite Confirmation, Blood

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]



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Specimen Requirements: 1 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

5534B Ketamine and Metabolite Confirmation, Blood

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]

Specimen Requirements: 1 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

52058FL Ketamine and Metabolite Confirmation, Fluid (Forensic)

Summary of Changes: Test Name was changed.
Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]

Specimen Requirements: 1 mL Fluid
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

52058SP Ketamine and Metabolite Confirmation, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]



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Test Updates

Test Changes

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

5534SP Ketamine and Metabolite Confirmation, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

52058TI Ketamine and Metabolite Confirmation, Tissue (Forensic)

Summary of Changes: Test Name was changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]

Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

52058U Ketamine and Metabolite Confirmation, Urine

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (80357)]

Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

5534U Ketamine and Metabolite Confirmation, Urine

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (80357)]

Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)



Test Updates

Test Changes

53585U Ketamine and Metabolite DFC Confirmation (Qualitative), Urine (Forensic)

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]

Specimen Requirements: 1 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

52512U Ketamine and Metabolite DFC Confirmation, Urine

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]

Specimen Requirements: 1 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

9188B Ketamine and Metabolite Screen, Blood

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80307)]

Specimen Requirements: 1 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: LC-MS/MS (80307): Norketamine, Ketamine
Method (CPT Code)

9188SP Ketamine and Metabolite Screen, Serum/Plasma



Test Updates

Test Changes

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80307)]

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Scope of Analysis: LC-MS/MS (80307): Norketamine, Ketamine
Method (CPT Code)

9188U Ketamine and Metabolite Screen, Urine

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80307)]

Specimen Requirements: 1 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: LC-MS/MS (80307): Norketamine, Ketamine
Method (CPT Code)

2479B Ketamine and Metabolite, Blood

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]

Specimen Requirements: 1 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

2479FL Ketamine and Metabolite, Fluid



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Test Updates

Test Changes

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]

Specimen Requirements: 1 mL Fluid
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

2479SP Ketamine and Metabolite, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.
Methods/CPT Codes were changed [LC-MS/MS (80357)]

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

2479TI Ketamine and Metabolite, Tissue

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (80357)]

Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

2479U Ketamine and Metabolite, Urine

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (80357)]

Scope of Analysis: LC-MS/MS (80357): Norketamine, Ketamine
Method (CPT Code)

2480SP Ketone Bodies Panel, Serum/Plasma

Summary of Changes: Reference Comment was changed.



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Test Updates

Test Changes

Scope of Analysis: GC (82010): Acetoacetate
Method (CPT Code) Headspace GC (82010): Acetone
EZA (82010): Betahydroxybutyric Acid

Analyte Name	Units	Reference Comment
Acetone	mg/dL	Plasma acetone concentrations may be markedly elevated during diabetic ketoacidosis and may range as high as 75 mg/dL.

2800SP Lisdexamfetamine as Metabolite, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80324): Amphetamine
Method (CPT Code)

Analyte Name	Units	Reference Comment
Amphetamine	ng/mL	Amphetamine is a drug as well as the metabolite of Methamphetamine. Benzphetamine is rapidly metabolized to Methamphetamine and Amphetamine. This test reports Amphetamine as the total of the undifferentiated d and l enantiomers.

2604SP Melatonin, Serum/Plasma

Summary of Changes: Reference Comment was changed.

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

Analyte Name	Units	Reference Comment
Melatonin	ng/mL	Endogenous concentrations of melatonin are of the order of less than 0.02-0.2 ng/mL and vary based on the time of day and the patient's age. Single oral doses of 10, 20, 40, and 80 mg given to 20 healthy men resulted in mean peak serum concentrations of approximately 4, 9, 17, and 32 ng/mL, respectively, at 1.3 hours post-dose. Up to 240 mg has been safely administered to adults with side effects that include only drowsiness and sleepiness.

50015SP Methadone and Metabolite Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80358): Methadone, EDDP
Method (CPT Code)



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Test Updates

Test Changes

Analyte Name	Units	Reference Comment
EDDP	ng/mL	Therapeutic range is not established.

5682SP Methadone and Metabolite Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80358): Methadone, EDDP
Method (CPT Code)

Analyte Name	Units	Reference Comment
EDDP	ng/mL	Therapeutic range is not established.

8722SP Methadone and Metabolite, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80358): Methadone, EDDP
Method (CPT Code)

Analyte Name	Units	Reference Comment
EDDP	ng/mL	Therapeutic range is not established.

5687SP Methamphetamine and Metabolite Confirmation, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80324): Amphetamine, Methamphetamine
Method (CPT Code)

Analyte Name	Units	Reference Comment
Amphetamine	ng/mL	Amphetamine is a drug as well as the metabolite of Methamphetamine. Benzphetamine is rapidly metabolized to Methamphetamine and Amphetamine. This test reports Amphetamine as the total of the undifferentiated d and l enantiomers.

2810SP Methamphetamine and Metabolite, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80324): Amphetamine, Methamphetamine
Method (CPT Code)



Effective Date:
Monday, March 04, 2024

Test Updates

Test Changes

Analyte Name	Units	Reference Comment
Amphetamine	ng/mL	Amphetamine is a drug as well as the metabolite of Methamphetamine. Benzphetamine is rapidly metabolized to Methamphetamine and Amphetamine. This test reports Amphetamine as the total of the undifferentiated d and l enantiomers.

2837SP Methanol Poisoning Profile, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (80320): Acetaldehyde, Ethanol, Methanol, Isopropanol, Acetone
Method (CPT Code) GC/MS (83921): Formic Acid

Analyte Name	Units	Reference Comment
Acetone	mg/dL	Plasma acetone concentrations may be markedly elevated during diabetic ketoacidosis and may range as high as 75 mg/dL.

4213U Styrene Exposure Profile, Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (83921): Phenylglyoxylic Acid, Phenylglyoxylic Acid (Creatinine corrected), Mandelic Acid, Mandelic Acid (Creatinine corrected), Mandelic Acid Plus Phenylglyoxylic Acid (Creatinine corrected)
Colorimetry (82570): Creatinine

Analyte Name	Units	Reference Comment
Mandelic Acid Plus Phenylglyoxylic Acid (Creatinine corrected)	g/g Creat	The ACGIH Biological Exposure Indices (BEI) for Mandelic Acid plus Phenylglyoxylic Acid in an end of shift urine sample: Following exposure to Ethylbenzene: 0.15 g/g creatinine Following exposure to Styrene: 0.4 g/g creatinine.

4650B Trichloroethylene, Blood

Summary of Changes: Reference Comment was changed.

Scope of Analysis: GC (82441): Trichloroethanol
Method (CPT Code)

Analyte Name	Units	Reference Comment
Trichloroethanol	mcg/mL	Usual therapeutic range following 1 gram of chloral hydrate is 2-12 mcg trichloroethanol/mL blood. Biological Exposure Index (ACGIH) following exposure is 0.5 mcg trichloroethanol/mL blood measured in an end of shift at end of work week specimen.



Effective Date:
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Test Updates

Test Changes

2415B Volatile and Halocarbon Intoxicants, Blood

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Headspace GC (82441): Benzene, Toluene, o-Xylene, p-Xylene, m-Xylene, Xylenes (o,m,p) - Total, Acetone, Methyl Ethyl Ketone, Iso-Amyl Alcohol, Isobutanol, n-Butanol, Ethyl Ether, Chloromethane, Dichloromethane, Chloroform, Carbon Tetrachloride, Chloroethane, Dichloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, Trichlorofluoromethane, Dichlorodifluoromethane, Trichlorotrifluoroethane, Methanol, Ethanol, Isopropanol

Analyte Name	Units	Reference Comment
Benzene	mcg/mL	Blood is not recommended for identifying low levels of benzene exposure.