



August 27, 2009

UPDATED: November 20, 2009

In August, 2009, NMS Labs provided communication regarding important changes to our service menu **effective December 07, 2009**. This notice is to inform you of subsequent modifications to those requirements for select tests. Detailed below are the modifications to the December 07, 2009 database letter.

Type of Change	Explanation
New Tests	Tests recently added to the NMS Labs test menu.
Test Changes	Tests that have had changes to their method/CPT code, units of measurement, scope of analysis or specimen requirements. Updated: 0060SP Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines AND freeze (preferably at -70 C). Ship overnight for arrival at NMS Labs on Monday through Thursday. Summary Page: Test Name Corrected: 4312U Tapentadol - Total, Urine
Discontinued Tests	Tests being discontinued with alternate testing suggestions.
Reference Comments	Tests that have had reference comment changes.

A revised packet of information is enclosed for you to update your computer systems/records. These changes are important to ensure standardization of our mutual laboratory database and go into effect on **December 07, 2009**.

We apologize for this inconvenience. If you have any questions about the information contained in this packet, 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.

Sincerely,

NMS Labs

Database Changes - Summary

Test Code	Test Name	New Test	Method/ CPT code	Units	Scope	Specimen Reqs	Stability	Discontinued	Reference Comment	Misc.
0060SP	Acetoacetate, Serum/Plasma						.			
0560P	Benzocaine, Plasma					.				
0560U	Benzocaine, Urine					.				
1032SP	Methcathinone (CAT), Serum/Plasma					.				
1032U	Methcathinone (CAT), Urine					.				
2406R	Indium, RBCs					.				
4127U	Suboxone - Total, Urine	.								
4312B	Tapentadol - Free, Blood	.								
4312FL	Tapentadol - Free, Fluid	.								
4312SP	Tapentadol - Free, Serum/Plasma	.								
4312TI	Tapentadol - Free, Tissue	.								
4312U	Tapentadol - Total, Urine	.								
4376B	Thebaine, Blood					.				
4486B	Titanium, Blood					.				
4486R	Titanium, RBCs					.				
5596B	Thebaine Confirmation, Blood					.				
5596SP	Thebaine Confirmation, Serum/Plasma					.				
5596U	Thebaine Confirmation, Urine					.				
5901H	Opiates Confirmation, Hair (Forensic)				.					
8070B	Drug Impaired Driving/DRE Toxicology Panel (with Alcohol), Blood (Forensic)	.								
8070U	Drug Impaired Driving/DRE Toxicology Panel (with Alcohol), Urine (Forensic)	.								
8071B	Drug Impaired Driving/DRE Toxicology Panel, Blood (Forensic)	.								
8071U	Drug Impaired Driving/DRE Toxicology Panel, Urine (Forensic)	.								
8074B	Drug Impaired Driving/DRE Toxicology Hallucinogens Add-On, Blood (Forensic)	.								
8074U	Drug Impaired Driving/DRE Toxicology Hallucinogens Add-On, Urine (Forensic)	.								
8075B	Drug Impaired Driving/DRE Toxicology GC/MS Drug Screen Add- On, Blood (Forensic)	.								
8075U	Drug Impaired Driving/DRE Toxicology GC/MS Drug Screen Add- On, Urine (Forensic)	.								
8076B	Drug Impaired Driving/DRE Toxicology Low Dose Benzodiazepines Add-On, Blood (Forensic)	.								

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Database Changes - Summary

Test Code	Test Name	New Test	Method/ CPT code	Units	Scope	Specimen Reqs	Stability	Discontinued	Reference Comment	Misc.
8076U	Drug Impaired Driving/DRE Toxicology Low Dose Benzodiazepines Add-On, Urine (Forensic)	.								
8077B	Drug Impaired Driving/DRE Toxicology Inhalants Add-On, Blood (Forensic)	.								
8077U	Drug Impaired Driving/DRE Toxicology Inhalants Add-On, Urine (Forensic)	.								
8078B	Drug Impaired Driving/DRE Toxicology Gamma-Hydroxybutyric Acid (GHB) Add-On, Blood (Forensic)	.								
8078U	Drug Impaired Driving/DRE Toxicology Gamma-Hydroxybutyric Acid (GHB) Add-On, Urine (Forensic)	.								
8079B	Drug Impaired Driving/DRE Toxicology Low Dose Opiates Add-On, Blood (Forensic)	.								
8079U	Drug Impaired Driving/DRE Toxicology Low Dose Opiates Add-On, Urine (Forensic)	.								
9272B	Thebaine Screen, Blood					.				
9272SP	Thebaine Screen, Serum/Plasma					.				
9272U	Thebaine Screen, Urine					.				

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Changes effective:
December 7, 2009

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
4127U	Suboxone - Total, Urine			
	Scope of Analysis:	Buprenorphine - Total	0.5	ng/mL
		Norbuprenorphine - Total	0.5	ng/mL
		Naloxone - Total	0.5	ng/mL
	Specimen Requirements:	Specimen Requirements: 1 mL Urine Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None		
	Stability:	Room Temperature: 7 day(s) Refrigerated: 10 day(s) Frozen (-20 °C): 30 day(s)		
4312B	Tapentadol - Free, Blood			
	Scope of Analysis:	Tapentadol - Free	0.5	ng/mL
	Reference Comment:	Tapentadol is a Schedule II analgesic used in pain management. Following oral or IV administration of Tapentadol HCl 60 mg: Cmax was 50.0 +/- 23.1 ng/mL and 299.5 +/- 48.7 ng/mL, respectively. Tmax was 0.83 +/- 0.13 h and 0.18 +/- 0.03 h, respectively. Efficacy of Tapentadol for pain relief has been demonstrated in the range of 5 - 300 ng/mL.		
	Specimen Requirements:	Specimen Requirements: 1 mL Blood Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None		
	Stability:	Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)		

NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code	
4312FL	Tapentadol - Free, Fluid				
	Scope of Analysis:	Tapentadol - Free	0.5	ng/mL	LC-MS/MS (83789)
	Reference Comment:	Tapentadol is a Schedule II analgesic used in pain management.			
	Specimen Requirements:	Specimen Requirements: 1 mL Fluid Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None			
	Stability:	Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined			
4312SP	Tapentadol - Free, Serum/Plasma				
	Scope of Analysis:	Tapentadol - Free	0.5	ng/mL	LC-MS/MS (83789)
	Reference Comment:	Tapentadol is a Schedule II analgesic used in pain management. Following oral or IV administration of Tapentadol HCl 60 mg: Cmax was 50.0 +/- 23.1 ng/mL and 299.5 +/- 48.7 ng/mL, respectively. Tmax was 0.83 +/- 0.13 h and 0.18 +/- 0.03 h, respectively. Efficacy of Tapentadol for pain relief has been demonstrated in the range of 5 - 300 ng/mL.			
	Specimen Requirements:	Specimen Requirements: 1 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. 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).			
	Stability:	Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)			

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December 7, 2009

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
4312TI	Tapentadol - Free, Tissue			
	Scope of Analysis: Tapentadol - Free	0.5	ng/g	LC-MS/MS (80103, 83789)
	Reference Comment: Tapentadol is a Schedule II analgesic used in pain management.			
	Specimen Requirements: Specimen Requirements: 10 g Tissue Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None			
	Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined			
4312U	Tapentadol - Total, Urine			
	Scope of Analysis: Tapentadol - Total	0.5	ng/mL	LC-MS/MS (83789)
	Reference Comment: Tapentadol is a Schedule II analgesic used in pain management.			
	Specimen Requirements: Specimen Requirements: 1 mL Urine Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None			
	Stability: Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)			

NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
8070B	Drug Impaired Driving/DRE Toxicology Panel (with Alcohol), Blood (Forensic)			
	Scope of Analysis:	Opiates	20	ng/mL
		Cocaine / Metabolites	20	ng/mL
		Benzodiazepines	100	ng/mL
		Cannabinoids	10	ng/mL
		Amphetamines	20	ng/mL
		Barbiturates	0.04	mcg/mL
		Methadone	25	ng/mL
		Phencyclidine	10	ng/mL
		Propoxyphene	50	ng/mL
		Ethanol	30	mg/dL
		Ethanol	10	mg/dL
		Methanol	5	mg/dL
		Isopropanol	1	mg/dL
		Acetone	1	mg/dL
	Specimen Requirements:	Specimen Requirements: 8 mL Blood Transport Temperature: Refrigerated Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate) Light Protection: Not Required Special Handling: Collect sample using alcohol free skin preparation. Rejection Criteria: Received Room Temperature.		
8070U	Drug Impaired Driving/DRE Toxicology Panel (with Alcohol), Urine (Forensic)			
	Scope of Analysis:	Ethanol (by EZA)	30	mg/dL
		Opiates	300	ng/mL
		Cocaine / Metabolites	300	ng/mL
		Benzodiazepines	50	ng/mL
		Cannabinoids	20	ng/mL
		Amphetamines	1000	ng/mL
		Barbiturates	0.3	mcg/mL
		Methadone	300	ng/mL
		Phencyclidine	25	ng/mL
		Propoxyphene	300	ng/mL
		Ethanol	10	mg/dL
		Methanol	5	mg/dL
		Isopropanol	1	mg/dL
		Acetone	1	mg/dL
	Specimen Requirements:	Specimen Requirements: 8 mL Urine Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None		

NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
8071B	Drug Impaired Driving/DRE Toxicology Panel, Blood (Forensic)			
	Scope of Analysis:			
	Opiates	20	ng/mL	
	Cocaine / Metabolites	20	ng/mL	
	Benzodiazepines	100	ng/mL	
	Cannabinoids	10	ng/mL	
	Amphetamines	20	ng/mL	ELISA (80101x9)
	Barbiturates	0.04	mcg/mL	
	Methadone	25	ng/mL	
	Phencyclidine	10	ng/mL	
	Propoxyphene	50	ng/mL	
	Specimen Requirements:			
	Specimen Requirements: 7 mL Blood			
	Transport Temperature: Refrigerated			
	Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)			
	Light Protection: Not Required			
	Special Handling: None			
	Rejection Criteria: Received Room Temperature.			
8071U	Drug Impaired Driving/DRE Toxicology Panel, Urine (Forensic)			
	Opiates	300	ng/mL	
	Cocaine / Metabolites	300	ng/mL	
	Benzodiazepines	50	ng/mL	
	Cannabinoids	20	ng/mL	
	Amphetamines	1000	ng/mL	EIA (80101x9)
	Barbiturates	0.3	mcg/mL	
	Methadone	300	ng/mL	
	Phencyclidine	25	ng/mL	
	Propoxyphene	300	ng/mL	
	Specimen Requirements:			
	Specimen Requirements: 7 mL Urine			
	Transport Temperature: Refrigerated			
	Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.			
	Light Protection: Not Required			
	Special Handling: None			
	Rejection Criteria: None			

NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
8074B	Drug Impaired Driving/DRE Toxicology Hallucinogens Add-On, Blood (Forensic)			
Scope of Analysis:	LSD	0.5	ng/mL	IA (80101)
	Procyclidine	20	ng/mL	
	Mescaline	10	ng/mL	
	Caffeine	10000	ng/mL	
	Ketamine	200	ng/mL	
	Chlorphentermine	20	ng/mL	GC & GC/MS (82542)
	Mephentermine	20	ng/mL	
	Phentermine	10	ng/mL	
	Benzphetamine	10	ng/mL	
	Dimethyltryptamine	100	ng/mL	
Specimen Requirements:	Specimen Requirements: 8 mL Blood Transport Temperature: Frozen Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Yes Special Handling: Glass containers are not acceptable. Rejection Criteria: Not received Light Protected. Glass container.			
8074U	Drug Impaired Driving/DRE Toxicology Hallucinogens Add-On, Urine (Forensic)			
Scope of Analysis:	LSD	0.5	ng/mL	IA (80101)
	Bufotenine	2.5	ng/mL	LC-MS/MS (82542)
	Psilocin - Total	2.5	ng/mL	
	Procyclidine	20	ng/mL	
	Mescaline	20	ng/mL	
	Caffeine	1000	ng/mL	
	Ketamine	20	ng/mL	
	Chlorphentermine	20	ng/mL	GC & GC/MS (82542)
	Mephentermine	20	ng/mL	
	Phentermine	20	ng/mL	
	Benzphetamine	20	ng/mL	
	Dimethyltryptamine	20	ng/mL	
Specimen Requirements:	Specimen Requirements: 7 mL Urine Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Yes Special Handling: Glass containers are not acceptable. Rejection Criteria: Not received Light Protected. Glass container.			

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December 7, 2009

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
8075B	Drug Impaired Driving/DRE Toxicology GC/MS Drug Screen Add-On, Blood (Forensic)			
	Scope of Analysis: 10-Hydroxycarbazepine	0.5	mcg/mL	GC/MS (80100)
	7-Amino Flunitrazepam	100	ng/mL	
	Alfentanil	5	ng/mL	
	Amantadine	25	ng/mL	
	Amitriptyline	25	ng/mL	
	Amoxapine	25	ng/mL	
	Amphetamine	20	ng/mL	
	Atomoxetine	12.5	ng/mL	
	Atropine	12.5	ng/mL	
	Benztrapine	2.5	ng/mL	
	Brompheniramine	6.25	ng/mL	
	Bupivacaine	0.02	mcg/mL	
	Buprenorphine	10	ng/mL	
	Bupropion	100	ng/mL	
	Buspirone	500	ng/mL	
	Butorphanol	10	ng/mL	
	Caffeine	0.1	mcg/mL	
	Carbamazepine	0.1875	mcg/mL	
	Carbinoxamine	20	ng/mL	
	Carbromal	1	mcg/mL	
	Carisoprodol	1	mcg/mL	
	Cathine / Phenylpropanolamine	25	ng/mL	
	Cetirizine	100	ng/mL	
	Chlorpheniramine	2.5	ng/mL	
	Chlorpromazine	12.5	ng/mL	
	Chlorpropamide	2.5	mcg/mL	
	Citalopram / Escitalopram	12.5	ng/mL	
	Clomipramine	12.5	ng/mL	
	Clozapine	100	ng/mL	
	Cotinine	12.5	ng/mL	
	Cyclizine	50	ng/mL	
	Cyclobenzaprine	12.5	ng/mL	
	Cyproheptadine	1	ng/mL	
	Desipramine	12.5	ng/mL	
	Desmethylclomipramine	12.5	ng/mL	
	Desmethyldoxepin	12.5	ng/mL	
	Dextrorphan / Levorphanol	100	ng/mL	
	Dicyclomine	20	ng/mL	
	Diltiazem	12.5	ng/mL	
	Diphenhydramine	25	ng/mL	
	Diphenoxylate	100	ng/mL	
	Donepezil	20	ng/mL	
	Doxepin	25	ng/mL	

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
	Doxylamine	12.5	ng/mL	
	Duloxetine	200	ng/mL	
	Encainide	200	ng/mL	
	Ephedrine / Pseudoephedrine	37	ng/mL	
	Ethosuximide	5	mcg/mL	
	Ethotoin	2	mcg/mL	
	Ethylmorphine	300	ng/mL	
	Etomidate	100	ng/mL	
	Fentanyl	2.5	ng/mL	
	Flunitrazepam	300	ng/mL	
	Fluoxetine	12.5	ng/mL	
	Fluvoxamine	12.5	ng/mL	
	Guaifenesin	5	mcg/mL	
	Haloperidol	50	ng/mL	
	Hydroxychloroquine	0.1	mcg/mL	
	Hydroxyzine	6.25	ng/mL	
	Ibuprofen	10	mcg/mL	
	Imipramine	25	ng/mL	
	Ketamine	37.5	ng/mL	
	Lamotrigine	0.4	mcg/mL	
	Levetiracetam	1	mcg/mL	
	Lidocaine	0.1	mcg/mL	
	Loxapine	12.5	ng/mL	
	Maprotiline	10	ng/mL	
	Meclizine	6.25	ng/mL	
	Mefloquine	100	ng/mL	
	Meperidine	0.025	mcg/mL	
	Mephénytoin	0.5	mcg/mL	
	Mepivacaine	0.05	mcg/mL	
	Meprobamate	1	mcg/mL	
	Mesoridazine	200	ng/mL	
	Methamphetamine	20	ng/mL	
	Methapyrilene	100	ng/mL	
	Methaqualone	0.1	mcg/mL	
	Methcathinone	20	ng/mL	
	Methocarbamol	0.2	mcg/mL	
	Methorphan	12.5	ng/mL	
	MDA	50	ng/mL	
	MDEA	10	ng/mL	
	MDMA	50	ng/mL	
	Methylephedrine	10	ng/mL	
	Methylphenidate	50	ng/mL	
	Metoclopramide	62.5	ng/mL	
	Metoprolol	500	ng/mL	

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
	Mirtazapine	12.5	ng/mL	
	Monoethylglycinexylidide (MEGX)	0.5	mcg/mL	
	N-Acetylprocainamide	1000	ng/mL	
	Naproxen	50	mcg/mL	
	Nicotine	12.5	ng/mL	
	Nifedipine	100	ng/mL	
	Norclozapine	500	ng/mL	
	Norfentanyl	2.5	ng/mL	
	Norfluoxetine	12.5	ng/mL	
	Norketamine	37.5	ng/mL	
	Normeperidine	12.5	ng/mL	
	Normethsuximide	5	mcg/mL	
	Nortriptyline	12.5	ng/mL	
	O-Desmethylvenlafaxine	15	mcg/mL	
	Olanzapine	25	ng/mL	
	Orphenadrine	12.5	ng/mL	
	Papaverine	0.05	mcg/mL	
	Paroxetine	12.5	ng/mL	
	Pentazocine	10	ng/mL	
	Phenacetin	0.1	mcg/mL	
	Phendimetrazine	50	ng/mL	
	Pheniramine	20	ng/mL	
	Phenmetrazine	50	ng/mL	
	Phensuximide	2	mcg/mL	
	Phentermine	50	ng/mL	
	Phenyltoloxamine	6.25	ng/mL	
	Phenytoin	1	mcg/mL	
	Primidone	1	mcg/mL	
	Procainamide	1	mcg/mL	
	Prochlorperazine	2.5	ng/mL	
	Promazine	20	ng/mL	
	Promethazine	6.25	ng/mL	
	Quetiapine	62.5	ng/mL	
	Quinidine	0.05	mcg/mL	
	Quinine	0.05	mcg/mL	
	Selegiline	20	ng/mL	
	Sertraline	12.5	ng/mL	
	Strychnine	50	ng/mL	
	Sufentanil	10	ng/mL	
	Theobromine	5	mcg/mL	
	Theophylline	0.5	mcg/mL	
	Thiopental	1	mcg/mL	
	Thioridazine	200	ng/mL	
	Thiothixene	100	ng/mL	

NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
	Ticlopidine	0.02	mcg/mL	
	Tiletamine	40	ng/mL	
	Topiramate Breakdown	0.25	mcg/mL	
	Tramadol	25	ng/mL	
	Tranylcypromine	10	ng/mL	
	Trazodone	0.0625	mcg/mL	
	Trihexyphenidyl	1	ng/mL	
	Trimethobenzamide	0.1	mcg/mL	
	Trimethoprim	1	mcg/mL	
	Venlafaxine	12.5	ng/mL	
	Verapamil	25	ng/mL	
	Warfarin	50	mcg/mL	
	Xylazine	0.4	mcg/mL	
	Zaleplon	50	ng/mL	
	Zolazepam	100	ng/mL	
	Zolpidem	12.5	ng/mL	
	Other Findings			
Specimen Requirements:	Specimen Requirements: 10 mL Blood Transport Temperature: Refrigerated Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate) Light Protection: Yes Special Handling: Peak serum levels are recommended when monitoring patients because the level in the blood drops so rapidly that many negative results are found at the trough. The peak occurs at 40 to 90 minutes post dose. Rejection Criteria: Not received Light Protected.			
8075U	Drug Impaired Driving/DRE Toxicology GC/MS Drug Screen Add-On, Urine (Forensic)			
Scope of Analysis:	10-Hydroxycarbazepine	0.5	mcg/mL	GC/MS (80100)
	7-Amino Flunitrazepam	100	ng/mL	
	Alfentanil	5	ng/mL	
	Amantadine	25	ng/mL	
	Amitriptyline	25	ng/mL	
	Amoxapine	25	ng/mL	
	Amphetamine	20	ng/mL	
	Atomoxetine	12.5	ng/mL	
	Atropine	12.5	ng/mL	
	Benztrapine	2.5	ng/mL	
	Brompheniramine	6.25	ng/mL	
	Bupivacaine	0.02	mcg/mL	
	Buprenorphine	10	ng/mL	
	Bupropion	100	ng/mL	
	Buspirone	500	ng/mL	
	Butorphanol	10	ng/mL	
	Caffeine	0.1	mcg/mL	
	Carbamazepine	0.1875	mcg/mL	

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
	Carbinoxamine	20	ng/mL	
	Carbromal	1	mcg/mL	
	Carisoprodol	1	mcg/mL	
	Cathine / Phenylpropanolamine	25	ng/mL	
	Cetirizine	100	ng/mL	
	Chlorpheniramine	2.5	ng/mL	
	Chlorpromazine	12.5	ng/mL	
	Chlorpropamide	2.5	mcg/mL	
	Citalopram / Escitalopram	12.5	ng/mL	
	Clomipramine	12.5	ng/mL	
	Clozapine	100	ng/mL	
	Cotinine	12.5	ng/mL	
	Cyclizine	50	ng/mL	
	Cyclobenzaprine	12.5	ng/mL	
	Cyproheptadine	1	ng/mL	
	Desipramine	12.5	ng/mL	
	Desmethylclomipramine	12.5	ng/mL	
	Desmethyldoxepin	12.5	ng/mL	
	Dextrorphan / Levorphanol	100	ng/mL	
	Dicyclomine	20	ng/mL	
	Diltiazem	12.5	ng/mL	
	Diphenhydramine	25	ng/mL	
	Diphenoxylate	100	ng/mL	
	Donepezil	20	ng/mL	
	Doxepin	25	ng/mL	
	Doxylamine	12.5	ng/mL	
	Duloxetine	200	ng/mL	
	Encainide	200	ng/mL	
	Ephedrine / Pseudoephedrine	37	ng/mL	
	Ethosuximide	5	mcg/mL	
	Ethotoin	2	mcg/mL	
	Ethylmorphine	300	ng/mL	
	Etomidate	100	ng/mL	
	Fentanyl	2.5	ng/mL	
	Flunitrazepam	300	ng/mL	
	Fluoxetine	12.5	ng/mL	
	Fluvoxamine	12.5	ng/mL	
	Guaifenesin	5	mcg/mL	
	Haloperidol	50	ng/mL	
	Hydroxychloroquine	0.1	mcg/mL	
	Hydroxyzine	6.25	ng/mL	
	Ibuprofen	10	mcg/mL	
	Imipramine	25	ng/mL	
	Ketamine	37.5	ng/mL	

Changes effective:
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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
	Lamotrigine	0.4	mcg/mL	
	Levetiracetam	1	mcg/mL	
	Lidocaine	0.1	mcg/mL	
	Loxapine	12.5	ng/mL	
	Maprotiline	10	ng/mL	
	Meclizine	6.25	ng/mL	
	Mefloquine	100	ng/mL	
	Meperidine	0.025	mcg/mL	
	Mephenytoin	0.5	mcg/mL	
	Mepivacaine	0.05	mcg/mL	
	Meprobamate	1	mcg/mL	
	Mesoridazine	200	ng/mL	
	Methamphetamine	20	ng/mL	
	Methapyrilene	100	ng/mL	
	Methaqualone	0.1	mcg/mL	
	Methcathinone	20	ng/mL	
	Methocarbamol	0.2	mcg/mL	
	Methorphan	12.5	ng/mL	
	MDA	50	ng/mL	
	MDEA	10	ng/mL	
	MDMA	50	ng/mL	
	Methylephedrine	10	ng/mL	
	Methylphenidate	50	ng/mL	
	Metoclopramide	62.5	ng/mL	
	Metoprolol	500	ng/mL	
	Mirtazapine	12.5	ng/mL	
	Monoethylglycinexylidide (MEGX)	0.5	mcg/mL	
	N-Acetylprocainamide	1000	ng/mL	
	Naproxen	50	mcg/mL	
	Nicotine	12.5	ng/mL	
	Nifedipine	100	ng/mL	
	Norclozapine	500	ng/mL	
	Norfentanyl	2.5	ng/mL	
	Norfluoxetine	12.5	ng/mL	
	Norketamine	37.5	ng/mL	
	Normeperidine	12.5	ng/mL	
	Normethsuximide	5	mcg/mL	
	Nortriptyline	12.5	ng/mL	
	O-Desmethylvenlafaxine	15	mcg/mL	
	Olanzapine	25	ng/mL	
	Orphenadrine	12.5	ng/mL	
	Papaverine	0.05	mcg/mL	
	Paroxetine	12.5	ng/mL	
	Pentazocine	10	ng/mL	

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
	Phenacetin	0.1	mcg/mL	
	Phendimetrazine	50	ng/mL	
	Pheniramine	20	ng/mL	
	Phenmetrazine	50	ng/mL	
	Phensuximide	2	mcg/mL	
	Phentermine	50	ng/mL	
	Phenyltoloxamine	6.25	ng/mL	
	Phenytoin	1	mcg/mL	
	Primidone	1	mcg/mL	
	Procainamide	1	mcg/mL	
	Prochlorperazine	2.5	ng/mL	
	Promazine	20	ng/mL	
	Promethazine	6.25	ng/mL	
	Quetiapine	62.5	ng/mL	
	Quinidine	0.05	mcg/mL	
	Quinine	0.05	mcg/mL	
	Selegiline	20	ng/mL	
	Sertraline	12.5	ng/mL	
	Strychnine	50	ng/mL	
	Sufentanil	10	ng/mL	
	Theobromine	5	mcg/mL	
	Theophylline	0.5	mcg/mL	
	Thiopental	1	mcg/mL	
	Thioridazine	200	ng/mL	
	Thiothixene	100	ng/mL	
	Ticlopidine	0.02	mcg/mL	
	Tiletamine	40	ng/mL	
	Topiramate Breakdown	0.25	mcg/mL	
	Tramadol	25	ng/mL	
	Tranlycypromine	10	ng/mL	
	Trazodone	0.0625	mcg/mL	
	Trihexyphenidyl	1	ng/mL	
	Trimethobenzamide	0.1	mcg/mL	
	Trimethoprim	1	mcg/mL	
	Venlafaxine	12.5	ng/mL	
	Verapamil	25	ng/mL	
	Warfarin	50	mcg/mL	
	Xylazine	0.4	mcg/mL	
	Zaleplon	50	ng/mL	
	Zolazepam	100	ng/mL	
	Zolpidem	12.5	ng/mL	
	Other Findings			

NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
<p>Specimen Requirements: Specimen Requirements: 10 mL Urine Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Yes Special Handling: None Rejection Criteria: Not received Light Protected.</p>				
8076B	Drug Impaired Driving/DRE Toxicology Low Dose Benzodiazepines Add-On, Blood (Forensic)			
Scope of Analysis:	Lorazepam	5	ng/mL	LC-MS/MS (80154)
	Triazolam	2	ng/mL	
	Estazolam	5	ng/mL	
	Clonazepam	2	ng/mL	LC-MS/MS (80154)
	7-Amino Clonazepam	2	ng/mL	
	Flunitrazepam	2	ng/mL	
	Norflunitrazepam	2	ng/mL	
	7-Amino Flunitrazepam	2	ng/mL	
	Nitrazepam	2	ng/mL	
	7-Amino Nitrazepam	2	ng/mL	
Specimen Requirements:	<p>Specimen Requirements: 3 mL Blood Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None</p>			
8076U	Drug Impaired Driving/DRE Toxicology Low Dose Benzodiazepines Add-On, Urine (Forensic)			
Scope of Analysis:	Lorazepam	5	ng/mL	LC-MS/MS (80154)
	Hydroxytriazolam	5	ng/mL	
	Estazolam	5	ng/mL	
	Clonazepam	2	ng/mL	LC-MS/MS (80154)
	7-Amino Clonazepam	2	ng/mL	
	Flunitrazepam	2	ng/mL	
	Norflunitrazepam	2	ng/mL	
	7-Amino Flunitrazepam	2	ng/mL	
	Nitrazepam	2	ng/mL	
	7-Amino Nitrazepam	2	ng/mL	
Specimen Requirements:	<p>Specimen Requirements: 3 mL Urine Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None</p>			

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
8077B	Drug Impaired Driving/DRE Toxicology Inhalants Add-On, Blood (Forensic)			
	Scope of Analysis:			
	n-Butyl Alcohol	2	mcg/mL	
	Amyl Alcohol	2	mcg/mL	
	Iso-Butyl Alcohol	2	mcg/mL	
	Iso-Amyl Alcohol	2	mcg/mL	
	Benzene	0.05	mcg/mL	
	Ethyl Acetate	1	mcg/mL	
	Ethyl Ether	1	mcg/mL	
	Heptane	2	mcg/mL	GC (84600)
	Hexane	2	mcg/mL	
	Methyl Ethyl Ketone	0.3	mcg/mL	
	Pentane	2	mcg/mL	
	Styrene	0.5	mcg/mL	
	Toluene	0.3	mcg/mL	
	o-Xylene	0.3	mcg/mL	
	m-Xylene	0.3	mcg/mL	
	p-Xylene	0.3	mcg/mL	
	Scope of Analysis:			
	Methane	10	ppm (v/v)	
	Ethane	2	ppm (v/v)	
	Propane	2	ppm (v/v)	GC (84600)
	Isobutane	2	ppm (v/v)	
	n-Butane	2	ppm (v/v)	
	Specimen Requirements:	Specimen Requirements: 4 mL Blood		
		Transport Temperature: Frozen		
		Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Green top tube (Sodium Heparin), Lavender top tube (EDTA)		
		Light Protection: Not Required		
		Special Handling: Ensure that container remains tightly sealed.		
		Rejection Criteria: None		

NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
8077U	Drug Impaired Driving/DRE Toxicology Inhalants Add-On, Urine (Forensic)			
	Scope of Analysis:			
	n-Butyl Alcohol	2	mcg/mL	
	Iso-Butyl Alcohol	2	mcg/mL	
	Iso-Amyl Alcohol	2	mcg/mL	
	Benzene	0.05	mcg/mL	
	Ethyl Acetate	1	mcg/mL	
	Heptane	2	mcg/mL	GC (84600)
	Hexane	2	mcg/mL	
	Methyl Ethyl Ketone	0.3	mcg/mL	
	Pentane	2	mcg/mL	
	Styrene	0.5	mcg/mL	
	Toluene	0.3	mcg/mL	
	m-Xylene	0.3	mcg/mL	
	Specimen Requirements:			
	Specimen Requirements: 4 mL Urine			
	Transport Temperature: Frozen			
	Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.			
	Light Protection: Not Required			
	Special Handling: None			
	Rejection Criteria: None			
8078B	Drug Impaired Driving/DRE Toxicology Gamma-Hydroxybutyric Acid (GHB) Add-On, Blood (Forensic)			
	Scope of Analysis:			
	Gamma-Hydroxybutyric Acid	2	mcg/mL	GC/MS (80100)
	Specimen Requirements:			
	Specimen Requirements: 6 mL Blood			
	Transport Temperature: Refrigerated			
	Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.			
	Light Protection: Not Required			
	Special Handling: None			
	Rejection Criteria: None			
8078U	Drug Impaired Driving/DRE Toxicology Gamma-Hydroxybutyric Acid (GHB) Add-On, Urine (Forensic)			
	Scope of Analysis:			
	Gamma-Hydroxybutyric Acid	2	mcg/mL	GC/MS (80100)
	Specimen Requirements:			
	Specimen Requirements: 6 mL Urine			
	Transport Temperature: Refrigerated			
	Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.			
	Light Protection: Not Required			
	Special Handling: None			
	Rejection Criteria: None			

NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
8079B	Drug Impaired Driving/DRE Toxicology Low Dose Opiates Add-On, Blood (Forensic)			
	Scope of Analysis:	Morphine - Free	0.5	ng/mL
		Hydromorphone - Free	0.5	ng/mL
		Naltrexone - Free	0.5	ng/mL
		Buprenorphine - Free	0.5	ng/mL
		Norbuprenorphine - Free	0.5	ng/mL
		Butorphanol - Free	0.5	ng/mL
		Nalbuphine - Free	0.5	ng/mL
		Naloxone - Free	0.5	ng/mL
	Specimen Requirements:	Specimen Requirements: 2 mL Blood Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None		
8079U	Drug Impaired Driving/DRE Toxicology Low Dose Opiates Add-On, Urine (Forensic)			
	Scope of Analysis:	Morphine - Total	0.5	ng/mL
		Hydromorphone - Total	0.5	ng/mL
		Naltrexone - Total	0.5	ng/mL
		Buprenorphine - Total	0.5	ng/mL
		Norbuprenorphine - Total	0.5	ng/mL
		Butorphanol - Total	0.5	ng/mL
		Nalbuphine - Total	0.5	ng/mL
		Naloxone - Total	0.5	ng/mL
	Specimen Requirements:	Specimen Requirements: 2 mL Urine Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None		

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TEST CHANGES

Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
0060SP	<p>Acetoacetate, Serum/Plasma</p> <p>Scope: Acetoacetate</p> <p>Specimen Requirements: Specimen Requirements: 3 mL Serum or Plasma Transport Temperature: Frozen Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines AND freeze (preferably at -70 C). Ship overnight for arrival at NMS Labs on Monday through Thursday. Rejection Criteria: Received Room Temperature. Received Refrigerated. Polymer gel separation tube (SST or PST).</p> <p>Stability: Room Temperature: Not Stable Refrigerated: 4 day(s) Frozen (-20 °C): 4 day(s) Frozen (-70 °C): 29 day(s)</p>	mcg/mL	GC (82010)
<p>Summary of Changes: For Quality Improvement purposes the following changes were made. Stability was changed.</p>			
0560P	<p>Benzocaine, Plasma</p> <p>Scope: Benzocaine</p> <p>Specimen Requirements: Specimen Requirements: 8 mL Plasma Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: Step 1: Prepare esterase inhibitor solution (Neostigmine 2 mg/mL): Weigh 68 mg of Neostigmine Bromide (Sigma Chemical, St. Louis, MO) and transfer to a 25 mL volumetric flask. Dissolve and dilute to volume with deionized water, mix thoroughly. Store in an amber bottle at room temperature and discard nine (9) months after preparation. STEP 2: Prepare collection tubes to 3 mL plasma draw tubes containing Na₂EDTA anti-coagulant, add 20 microliters of the 2 mg/mL Neostigmine solution without breaking the vacuum. This is accomplished by using a 25 microliter syringe and piercing the rubber top of the container. STEP 3: Collecting samples and storage: Draw blood into the prepared collection tubes, making efforts to draw at least 2.5 mL. Invert tube at least eight (8) times to mix with the EDTA and Neostigmine. Immediately centrifuge and carefully transfer, with plastic pipette, the supernatant plasma into a labeled plastic container. Keep refrigerated and freeze if stored for more than one week. Rejection Criteria: None</p>	mcg/mL	GC/MS (82491)
<p>Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.</p>			

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TEST CHANGES

Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
0560U	Benzocaine, Urine		
	Scope: Benzocaine	mcg/mL	GC/MS (82491)
	Specimen Requirements: Specimen Requirements: 5 mL Urine Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.		
1032SP	Methcathinone (CAT), Serum/Plasma		
	Scope: Methcathinone	ng/mL	GC/MS (82542)
	Specimen Requirements: Specimen Requirements: 8 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. 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).		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.		
1032U	Methcathinone (CAT), Urine		
	Scope: Methcathinone	ng/mL	GC/MS (82542)
	Specimen Requirements: Specimen Requirements: 8 mL Urine Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.		

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TEST CHANGES

Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
2406R	Indium, RBCs		
	Scope: Indium	mcg/mL	ICP/MS (83018)
	Specimen Requirements: Specimen Requirements: 2 mL RBCs Transport Temperature: Refrigerated Specimen Container: Royal Blue top tube (Trace metal-free; EDTA) Light Protection: Not Required Special Handling: Centrifuge and separate RBCs into an acid washed plastic screw capped vial within two hours of collection. Rejection Criteria: Received Frozen.		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.		
5901H	Opiates Confirmation, Hair (Forensic)		
	Scope: Dihydrocodeine	ng/g	
	Oxycodone	ng/g	
	6-Monoacetylmorphine	ng/g	
	Codeine	ng/g	GC/MS
	Hydrocodone	ng/g	(80103, 83925)
	Hydromorphone	ng/g	
	Morphine	ng/g	
	Oxymorphone	ng/g	
	Summary of Changes: For Quality Improvement purposes the following changes were made. Oxymorphone was added.		
4376B	Thebaine, Blood		
	Scope: Thebaine	ng/mL	GC/MS (82491)
	Specimen Requirements: Specimen Requirements: 8 mL Blood Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.		

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TEST CHANGES

Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
5596B	Thebaine Confirmation, Blood		
	Scope: Thebaine	ng/mL	GC/MS (82542)
	Specimen Requirements: Specimen Requirements: 8 mL Blood Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.		
5596SP	Thebaine Confirmation, Serum/Plasma		
	Scope: Thebaine	ng/mL	GC/MS (82542)
	Specimen Requirements: Specimen Requirements: 8 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. 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).		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.		
5596U	Thebaine Confirmation, Urine		
	Scope: Thebaine	ng/mL	GC/MS (82542)
	Specimen Requirements: Specimen Requirements: 5 mL Urine Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.		

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TEST CHANGES

Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
9272B	Thebaine Screen, Blood Scope: Thebaine Specimen Requirements: Specimen Requirements: 10 mL Blood Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None	ng/mL	GC/MS (80100)
Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.			
9272SP	Thebaine Screen, Serum/Plasma Scope: Thebaine Specimen Requirements: Specimen Requirements: 10 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. 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).	ng/mL	GC/MS (80100)
Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.			
9272U	Thebaine Screen, Urine Scope: Thebaine Specimen Requirements: Specimen Requirements: 10 mL Urine Transport Temperature: Refrigerated Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. Light Protection: Not Required Special Handling: None Rejection Criteria: None	ng/mL	GC/MS (80100)
Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.			

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TEST CHANGES

Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
4486B	Titanium, Blood Scope: Titanium Specimen Requirements: Specimen Requirements: 2 mL Blood 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-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable. Rejection Criteria: Green top tube (Sodium Heparin). Light Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Tan top tube - glass (Sodium Heparin).	mcg/L	ICP/MS (83018)
Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.			
4486R	Titanium, RBCs Scope: Titanium Specimen Requirements: Specimen Requirements: 2 mL RBCs Transport Temperature: Refrigerated Specimen Container: Royal Blue top tube (Trace metal-free; EDTA) Light Protection: Not Required Special Handling: Centrifuge and separate RBCs into an acid washed plastic screw capped vial within two hours of collection. Rejection Criteria: Received Frozen.	mcg/L	ICP/MS (83018)
Summary of Changes: For Quality Improvement purposes the following changes were made. Requested volume was increased.			