December 17, 2009

Dear Valued Client:

In our continuing effort to provide you with the highest quality toxicology laboratory services available, we have compiled the enclosed packet of important changes regarding a number of tests we perform. Listed below are the types of changes included in this packet.

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
Discontinued Tests	Tests being discontinued with alternate testing suggestions

Please be advised all changes listed in this packet will go into effect on **April 12, 2010**. Please use this packet of 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 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.
0030U	Acetaminophen, Urine						•			
0032U	Acetaminophen Screen, Urine						•			
0050U	Acetazolamide, Urine						•			
0690U	Bisphenol A - Total (Conjugated/Unconjugated), Urine	•								
1342U	Coricidin Profile, Urine						•			
1812B	Donepezil, Blood						•			
1812SP	Donepezil, Serum/Plasma						•			
1910U	Dyphylline, Urine						•			
1955U	Esgic, Urine						•			
2075U	Fioricet, Urine						•			
2720B	Metaxalone, Blood	•								
2720SP	Metaxalone, Serum/Plasma	•								
2720U	Metaxalone, Urine	•								
2863U	Methazolamide, Urine						•			
3132SP	Vitamin A, Serum/Plasma	•								
3435U	Percocet, Urine						•			
3510U	Phenacetin and Metabolite, Urine						•			
4150B	Salvinorin A & B, Blood	•								
4150P	Salvinorin A & B, Plasma	•								
4150U	Salvinorin A & B, Urine	•								
4297B	Tadalafil, Blood	•								
4297SP	Tadalafil, Serum/Plasma	•								
4297U	Tadalafil, Urine	•								
4311B	Tamoxifen and Metabolites, Blood								•	
4311SP	Tamoxifen and Metabolites, Serum/Plasma								•	
4380U	Theobromine, Urine						•			
4387U	Theophylline, Urine						•			
4769SP	Venlafaxine and Metabolite, Serum/Plasma							•		
4779B	Vitamin E, Serum/Plasma	•								
5101B	Gamma-Hydroxybutyric Acid Confirmation, Blood						•			•
5101FL	Gamma-Hydroxybutyric Acid Confirmation, Fluid									•
5101SP	Gamma-Hydroxybutyric Acid Confirmation, Serum/Plasma						•			•
5101TI	Gamma-Hydroxybutyric Acid Confirmation, Tissue									•
5101U	Gamma-Hydroxybutyric Acid Confirmation, Urine						•			•
5102B	Gamma-Hydroxybutyric Acid Confirmation, Blood							•		
5102FL	Gamma-Hydroxybutyric Acid Confirmation, Fluid							•		
5102SP	Gamma-Hydroxybutyric Acid Confirmation, Serum/Plasma							•		
5102TI	Gamma-Hydroxybutyric Acid Confirmation, Tissue							•		

Database Changes - Summary

Test Code	Test Name	New Test	Method/ CPT code	Units	Scope	Specimen Reqs	Stability	Discontinued	Reference Comment	Misc.
5102U	Gamma-Hydroxybutyric Acid Confirmation, Urine							•		
5667U	Theophylline Confirmation, Urine						•			
7660SP	T3 (Triiodothyronine), Free, Serum/Plasma								•	
7661SP	T4 (Thyroxine), Free, Serum/Plasma								•	
7662SP	Thyroid Hormones (T3 & T4), Free, Fractionated, Serum/Plasma								•	
9274U	Theophylline Screen, Urine						•			
9326B	Gamma-Hydroxybutyric Acid Screen, Blood						•			•
9326FL	Gamma-Hydroxybutyric Acid Screen, Fluid									•
9326SP	Gamma-Hydroxybutyric Acid Screen, Serum/Plasma						•			•
9326TI	Gamma-Hydroxybutyric Acid Screen, Tissue									•
9326U	Gamma-Hydroxybutyric Acid Screen, Urine						•			•
9342B	Gamma-Hydroxybutyric Acid Screen, Blood							•		
9342FL	Gamma-Hydroxybutyric Acid Screen, Fluid							•		
9342SP	Gamma-Hydroxybutyric Acid Screen, Serum/Plasma							•		
9342TI	Gamma-Hydroxybutyric Acid Screen, Tissue							•		
9342U	Gamma-Hydroxybutyric Acid Screen, Urine							•		

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
0690U	**Bisphenol A - Total (Conjugated/Unconjugated), Urine**			
Scope of Analysis:	Bisphenol A - Total	0.25	ng/mL	GC/MS (82542)
Reference Comment:	US population from CDC NHANES Study 2003-2004 measurement of Total Bisphenol A in urine by age and gender. Median (25th - 95th percentile range): All ages: 2.7 (1.3 - 15.9) ng/mL Age 6 - 11 years: 3.7 (1.7 - 16.0) ng/mL Age 12 - 19 years: 4.2 (1.9 - 16.5) ng/mL Age 20 - 59 years: 2.7 (1.2 - 15.5) ng/mL Age 60 years and above: 1.9 (0.8 - 13.3) ng/mL Female: 2.4 (1.2 - 15.7) ng/mL Male: 3.2 (1.4 - 16.0) ng/mL			
Specimen Requirements:	Specimen Requirements: 3 mL Urine Transport Temperature: Frozen Specimen Container: Polypropylene containers Light Protection: Not Required Special Handling: Avoid use of polycarbonate plastics when collecting samples. Collect and store in polypropylene containers. Rejection Criteria: Received Room Temperature. Received Refrigerated. Polycarbonate Plastic container.			
Stability:	Room Temperature: Not Stable Refrigerated: 2 day(s) Frozen (-20 °C): 30 day(s)			
2720B	**Metaxalone, Blood**			
Scope of Analysis:	Metaxalone	0.025	mcg/mL	LC-MS/MS (83789)
Reference Comment:	Peak plasma concentrations averaged 0.9 mcg/mL at 3.3 hours following a single 400 mg oral dose and 1.7 mcg/mL at 3.0 hours following 800 mg. The rate and extent of absorption is increased when metaxalone is administered after a high-fat meal.			
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)			

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Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
2720SP	**Metaxalone, Serum/Plasma**			
	Scope of Analysis: Metaxalone	0.025	mcg/mL	LC-MS/MS (83789)
	Reference Comment: Peak plasma concentrations averaged 0.9 mcg/mL at 3.3 hours following a single 400 mg oral dose and 1.7 mcg/mL at 3.0 hours following 800 mg. The rate and extent of absorption is increased when metaxalone is administered after a high-fat meal.			
	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)			
2720U	**Metaxalone, Urine**			
	Scope of Analysis: Metaxalone	0.025	mcg/mL	LC-MS/MS (83789)
	Reference Comment: No reference data available			
	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)			

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
4150B	**Salvinorin A & B, Blood**			
	Scope of Analysis: Salvinorin A	1	ng/mL	LC-MS/MS (83789)
	Reference Comment: Salvinorin A is the main active ingredient of the plant Salvia divinorum. Usually smoked, it is a very potent hallucinogen producing a highly intoxicated dissociative state with hallucinations, which may be brief (<20 minutes). There are currently no reference concentrations or reliable pharmacokinetic data available for Salvinorin A.			
	Scope of Analysis: Salvinorin B	1	ng/mL	LC-MS/MS (83789)
	Reference Comment: Salvinorin B is present in the Salvia divinorum plant in much smaller amounts than Salvinorin A. Salvinorin B is believed to be the major urinary metabolite of Salvinorin A. There are currently no reference concentrations or reliable pharmacokinetic data available for Salvinorin B.			
	Specimen Requirements: Specimen Requirements: 2 mL Blood Transport Temperature: Frozen Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate) Light Protection: Not Required Special Handling: None Rejection Criteria: Received Room Temperature. Received Refrigerated.			
	Stability: Room Temperature: Not Stable Refrigerated: Not Stable Frozen (-20 °C): 14 day(s)			
4150P	**Salvinorin A & B, Plasma**			
	Scope of Analysis: Salvinorin A	1	ng/mL	LC-MS/MS (83789)
	Reference Comment: Salvinorin A is the main active ingredient of the plant Salvia divinorum. Usually smoked, it is a very potent hallucinogen producing a highly intoxicated dissociative state with hallucinations, which may be brief (<20 minutes). There are currently no reference concentrations or reliable pharmacokinetic data available for Salvinorin A.			
	Scope of Analysis: Salvinorin B	1	ng/mL	LC-MS/MS (83789)
	Reference Comment: Salvinorin B is present in the Salvia divinorum plant in much smaller amounts than Salvinorin A. Salvinorin B is believed to be the major urinary metabolite of Salvinorin A. There are currently no reference concentrations or reliable pharmacokinetic data available for Salvinorin B.			

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
Specimen Requirements:	Specimen Requirements: 2 mL Plasma Transport Temperature: Refrigerated Specimen Container: Plastic container Light Protection: Not Required Special Handling: Collect sample in Gray top tube (Sodium Fluoride / Potassium Oxalate). Promptly centrifuge and separate Plasma into a plastic screw capped vial containing 10 mg/mL sodium fluoride and 3 mg/mL EDTA. Rejection Criteria: Polymer gel separation tube (PST).			
Stability:	Room Temperature: 12 day(s) Refrigerated: 1 month(s) Frozen (-20 °C): 1 month(s) Stability data shown reflect preserved plasma (with NaF/EDTA). Stability in unpreserved plasma is undetermined.			
4150U	**Salvinorin A & B, Urine**			
Scope of Analysis:	Salvinorin A	1	ng/mL	LC-MS/MS (83789)
Reference Comment:	Salvinorin A is the main active ingredient of the plant Salvia divinorum. Usually smoked, it is a very potent hallucinogen producing a highly intoxicated dissociative state with hallucinations, which may be brief (<20 minutes). There are currently no reference concentrations or reliable pharmacokinetic data available for Salvinorin A.			
Scope of Analysis:	Salvinorin B	1	ng/mL	LC-MS/MS (83789)
Reference Comment:	Salvinorin B is present in the Salvia divinorum plant in much smaller amounts than Salvinorin A. Salvinorin B is believed to be the major urinary metabolite of Salvinorin A. There are currently no reference concentrations or reliable pharmacokinetic data available for Salvinorin B.			
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: Unpreserved urine is acceptable but should be kept frozen. The preferred sample is 5 mL of urine in a plastic vial containing 10 mg/mL of sodium fluoride and 3 mg/mL of EDTA. This will extend the stability of these compounds. Rejection Criteria: None			
Stability:	Room Temperature: 8 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s) Stability data shown reflect unpreserved urine.			

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
4297B	**Tadalafil, Blood**			
	Scope of Analysis: Tadalafil	10	ng/mL	LC-MS/MS (83789)
	Reference Comment: Following a single 10mg dose, subjects achieved a mean peak plasma concentration of 142 mcg/L (CV 26%) at an average of 3.5 hours. A single oral dose of 20 mg given to healthy males resulted in peak plasma tadalafil concentrations averaging approximately 330 mcg/L at 3 hours. The ratio of whole blood concentration to serum or plasma concentration is unknown for this analyte			
	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			
	Stability: Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)			
4297SP	**Tadalafil, Serum/Plasma**			
	Scope of Analysis: Tadalafil	10	ng/mL	LC-MS/MS (83789)
	Reference Comment: Following a single 10mg dose, subjects achieved a mean peak plasma concentration of 142 mcg/L (CV 26%) at an average of 3.5 hours. A single oral dose of 20 mg given to healthy males resulted in peak plasma tadalafil concentrations averaging approximately 330 mcg/L at 3 hours.			
	Specimen Requirements: Specimen Requirements: 2 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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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
4297U	**Tadalafil, Urine**			
Scope of Analysis:	Tadalafil	10	ng/mL	LC-MS/MS (83789)
Reference Comment:	No reference data available.			
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			
Stability:	Room Temperature: 14 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)			
3132SP	**Vitamin A, Serum/Plasma**			
Scope of Analysis:	Retinol	5.0	mcg/dL	HPLC (84590)
Reference Comment:	The following are accepted normal reference ranges in serum or plasma of fasting subjects: Age 1 to 6 years: 20 to 43 mcg/dL Age 7 to 12 years: 26 to 49 mcg/dL Age 13 to 19 years: 26 to 72 mcg/dL Adults: 30 to 80 mcg/dL Severe vitamin A deficiency is generally accepted to occur at serum or plasma concentrations less than 10 mcg/dL. Hypervitaminosis A should be considered at serum or plasma concentrations greater than 120 mcg/dL.			
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: Yes Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines. Rejection Criteria: Not received Light Protected. Polymer gel separation tube (SST or PST).			
Stability:	Room Temperature: 7 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)			

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NEW TESTS

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
4779SP	**Vitamin E, Serum/Plasma**			
	Scope of Analysis: Vitamin E	1.0	mcg/mL	HPLC (84446)
	Reference Comment: Reference interval in serum/plasma for Vitamin E in fasting subjects: Premature Neonates: 0.5 - 3.5 mcg/mL Full term: 1.0 - 3.5 mcg/mL Age 2 - 5 months: 2.0 - 6.0 mcg/mL Age 6 month - 2 years: 3.5 - 8.0 mcg/mL Age 2 - 12 years: 5.5 - 9.0 mcg/mL Teenagers: 6 - 10 mcg/mL Adults: 5 - 18 mcg/mL Vitamin E deficiency has been associated with serum/plasma concentrations <5 mcg/mL in adults. Elevated concentrations of Vitamin E are associated with serum/plasma concentrations exceeding 20 mcg/mL in adults. Note: Effective Vitamin E serum/plasma concentrations can be influenced by total serum/plasma lipids. Vitamin E supplementation can lead to elevated concentrations. In healthy individuals, Vitamin E intake up to 1600 IU/day appears to be safe. Toxicity from excessive Vitamin is relatively rare even up to doses of 3200 IU/day. However, increased risk of toxicity, such as excessive bleeding, may occur in patients with pre-existing risk factors, e.g., warfarin therapy.			
	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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TEST UPDATES
Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
0030U	**Acetaminophen, Urine**		
	Stability: Room Temperature: 14 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Stability was updated.		
0032U	**Acetaminophen Screen, Urine**		
	Stability: Room Temperature: 14 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Stability was updated.		
0050U	**Acetazolamide, Urine**		
	Stability: Room Temperature: Not Stable Refrigerated: 14 day(s) Frozen (-20 °C): 30 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Stability was updated.		
1342U	**Coricidin Profile, Urine**		
	Stability: Room Temperature: 14 day(s) Refrigerated: 28 day(s) Frozen (-20 °C): 30 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Stability was updated.		
1812B	**Donepezil, Blood**		
	Stability: Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Stability was updated.		
1812SP	**Donepezil, Serum/Plasma**		
	Stability: Room Temperature: 7 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Stability was updated.		

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

Test Code	Test Name	Units	Method / CPT Code
1910U	**Dyphylline, Urine**		
	Stability:	Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)	
	Summary of Updates:	For Quality Improvement purposes the following updates were made. Stability was updated.	
1955U	**Esgic, Urine**		
	Stability:	Room Temperature: 14 day(s) Refrigerated: 14 day(s) Frozen (-20 °C): 30 day(s)	
	Summary of Updates:	For Quality Improvement purposes the following updates were made. Stability was updated.	
2075U	**Fioricet, Urine**		
	Stability:	Room Temperature: 14 day(s) Refrigerated: 14 day(s) Frozen (-20 °C): 30 day(s)	
	Summary of Updates:	For Quality Improvement purposes the following updates were made. Stability was updated.	
9326B	**Gamma-Hydroxybutyric Acid Screen, Blood**		
	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	
	Stability:	Room Temperature: 7 day(s) Refrigerated: 7 day(s) Frozen (-20 °C): 7 day(s)	
	Summary of Updates:	For Quality Improvement purposes the following updates were made. Test Name was changed. Refrigerated requirement was added. Stability was updated.	

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

Test Code	Test Name	Units	Method / CPT Code

9326FL Gamma-Hydroxybutyric Acid Screen, Fluid

Specimen Requirements:	Specimen Requirements: 6 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
Summary of Updates:	For Quality Improvement purposes the following updates were made. Test Name was changed. Refrigerated requirement was added.

9326SP Gamma-Hydroxybutyric Acid Screen, Serum/Plasma

Specimen Requirements:	Specimen Requirements: 6 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: Light Blue top tube (Sodium Citrate). Polymer gel separation tube (SST or PST). Yellow top tube (ACD - Acid Citrate Dextrose).
Stability:	Room Temperature: 7 day(s) Refrigerated: 7 day(s) Frozen (-20 °C): 7 day(s)
Summary of Updates:	For Quality Improvement purposes the following updates were made. Test Name was changed. Refrigerated requirement was added. Stability was updated.

9326TI Gamma-Hydroxybutyric Acid Screen, Tissue

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
Summary of Updates:	For Quality Improvement purposes the following updates were made. Test Name was changed. Refrigerated requirement was added.

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

Test Code	Test Name	Units	Method / CPT Code
9326U	**Gamma-Hydroxybutyric Acid Screen, Urine**		
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		
Stability:	Room Temperature: 7 day(s) Refrigerated: 7 day(s) Frozen (-20 °C): 7 day(s)		
Summary of Updates:	For Quality Improvement purposes the following updates were made. Test Name was changed. Refrigerated requirement was added. Stability was updated.		
5101B	**Gamma-Hydroxybutyric Acid Confirmation, Blood**		
Specimen Requirements:	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		
Stability:	Room Temperature: 7 day(s) Refrigerated: 7 day(s) Frozen (-20 °C): 7 day(s)		
Summary of Updates:	For Quality Improvement purposes the following updates were made. Test Name was changed. Refrigerated requirement was added. Stability was updated.		
5101FL	**Gamma-Hydroxybutyric Acid Confirmation, Fluid**		
Specimen Requirements:	Specimen Requirements: 3 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		
Summary of Updates:	For Quality Improvement purposes the following updates were made. Test Name was changed. Refrigerated requirement was added.		

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

Test Code	Test Name	Units	Method / CPT Code
5101SP	**Gamma-Hydroxybutyric Acid Confirmation, Serum/Plasma**		
Specimen Requirements:	Specimen Requirements: 3 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: Light Blue top tube (Sodium Citrate). Polymer gel separation tube (SST or PST). Yellow top tube (ACD - Acid Citrate Dextrose).		
Stability:	Room Temperature: 7 day(s) Refrigerated: 7 day(s) Frozen (-20 °C): 7 day(s)		
Summary of Updates:	For Quality Improvement purposes the following updates were made. Test Name was changed. Refrigerated requirement was added. Stability was updated.		
5101TI	**Gamma-Hydroxybutyric Acid Confirmation, Tissue**		
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		
Summary of Updates:	For Quality Improvement purposes the following updates were made. Test Name was changed. Refrigerated requirement was added.		

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

Test Code	Test Name	Units	Method / CPT Code
5101U	**Gamma-Hydroxybutyric Acid Confirmation, Urine**		
Specimen Requirements:	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		
Stability:	Room Temperature: 7 day(s) Refrigerated: 7 day(s) Frozen (-20 °C): 7 day(s)		
Summary of Updates:	For Quality Improvement purposes the following updates were made. Test Name was changed. Refrigerated requirement was added. Stability was updated.		
2863U	**Methazolamide, Urine**		
Stability:	Room Temperature: Not Stable Refrigerated: 7 day(s) Frozen (-20 °C): 30 day(s)		
Summary of Updates:	For Quality Improvement purposes the following updates were made. Stability was updated.		
Summary of Updates:	For Quality Improvement purposes the following updates were made. Stability was updated.		
3435U	**Percocet, Urine**		
Stability:	Room Temperature: 7 day(s) Refrigerated: 10 day(s) Frozen (-20 °C): 30 day(s)		
Summary of Updates:	For Quality Improvement purposes the following updates were made. Stability was updated.		
3510U	**Phenacetin and Metabolite, Urine**		
Stability:	Room Temperature: 14 day(s) Refrigerated: 14 day(s) Frozen (-20 °C): 14 day(s)		
Summary of Updates:	For Quality Improvement purposes the following updates were made. Stability was updated.		

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

Test Code	Test Name	Units	Method / CPT Code
4380U	**Theobromine, Urine**		
	Stability: Room Temperature: 30 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Stability was updated.		
4387U	**Theophylline, Urine**		
	Stability: Room Temperature: 14 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Stability was updated.		
9274U	**Theophylline Screen, Urine**		
	Stability: Room Temperature: 14 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Stability was updated.		
5667U	**Theophylline Confirmation, Urine**		
	Stability: Room Temperature: 14 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Stability was updated.		

DISCONTINUED TESTS

Test Code	Test Name	Alternative Test
9342B	Gamma-Hydroxybutyric Acid Screen, Blood	9326B Gamma-Hydroxybutyric Acid Screen, Blood
9342FL	Gamma-Hydroxybutyric Acid Screen, Fluid	9326FL Gamma-Hydroxybutyric Acid Screen, Fluid
9342SP	Gamma-Hydroxybutyric Acid Screen, Serum/Plasma	9326SP Gamma-Hydroxybutyric Acid Screen, Serum/Plasma
9342TI	Gamma-Hydroxybutyric Acid Screen, Tissue	9326TI Gamma-Hydroxybutyric Acid Screen, Tissue
9342U	Gamma-Hydroxybutyric Acid Screen, Urine	9326U Gamma-Hydroxybutyric Acid Screen, Urine
5102B	Gamma-Hydroxybutyric Acid Confirmation, Blood	5101B Gamma-Hydroxybutyric Acid Confirmation, Blood
5102FL	Gamma-Hydroxybutyric Acid Confirmation, Fluid	5101FL Gamma-Hydroxybutyric Acid Confirmation, Fluid

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DISCONTINUED TESTS

Test Code	Test Name	Alternative Test
5102SP	Gamma-Hydroxybutyric Acid Confirmation, Serum/Plasma	5101SP Gamma-Hydroxybutyric Acid Confirmation, Serum/Plasma
5102TI	Gamma-Hydroxybutyric Acid Confirmation, Tissue	5101TI Gamma-Hydroxybutyric Acid Confirmation, Tissue
5102U	Gamma-Hydroxybutyric Acid Confirmation, Urine	5101U Gamma-Hydroxybutyric Acid Confirmation, Urine
4769SP	Venlafaxine and Metabolite, Serum/Plasma	4767SP Venlafaxine and Metabolite, Serum/Plasma

REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
7660SP	**T3 (Triiodothyronine), Free, Serum/Plasma** • T3 (Triiodothyronine), Free	Reference Intervals for patients: Up to age 8 years: 1.5 - 6.0 pg/mL Age 8 years and above: 1.5 - 6.3 pg/mL
7661SP	**T4 (Thyroxine), Free, Serum/Plasma** • T4 (Thyroxine), Free	Reference Intervals for patients: Up to age 1 year: 1.3 - 2.8 ng/dL Age 1 year and above: 1.3 - 2.4 ng/dL
7662SP	**Thyroid Hormones (T3 & T4), Free, Fractionated, Serum/Plasma** • T3 (Triiodothyronine), Free • T4 (Thyroxine), Free	Reference Intervals for patients: Up to age 8 years: 1.5 - 6.0 pg/mL Age 8 years and above: 1.5 - 6.3 pg/mL Reference Intervals for patients: Up to age 1 year: 1.3 - 2.8 ng/dL Age 1 year and above: 1.3 - 2.4 ng/dL

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REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
4311B	**Tamoxifen and Metabolites, Blood** • Endoxifen	Hydroxylation of N-desmethyltamoxifen to endoxifen, an active tamoxifen metabolite, is catalyzed by CYP2D6 and genetic polymorphisms which result in low CYP2D6 activity (poor metabolizers) or co-administration of drugs which inhibit CYP2D6 can greatly reduce plasma concentrations of endoxifen reducing the overall efficacy of tamoxifen. Women receiving 30 mg tamoxifen/day for 10 - 112 (average = 42) days had a mean (range) endoxifen plasma concentration of 8.6 +/- 7.0 (3.0 - 28.0) ng/mL. In one study, patients taking a CYP2D6 inhibitor along with 20 mg/day tamoxifen for four months had mean plasma endoxifen concentrations of 14.8 +/- 10.6 as compared to patients taking only tamoxifen (mean plasma concentration = 26.7 +/- 15.4 ng/mL). In comparison, CYP2D6 poor metabolizers had mean plasma endoxifen concentrations of 7.2 +/- 2.3 ng/mL. The ratio of whole blood concentration to serum or plasma concentration is unknown for this analyte.
4311SP	**Tamoxifen and Metabolites, Serum/Plasma** • Endoxifen	Hydroxylation of N-desmethyltamoxifen to endoxifen, an active tamoxifen metabolite, is catalyzed by CYP2D6 and genetic polymorphisms which result in low CYP2D6 activity (poor metabolizers) or co-administration of drugs which inhibit CYP2D6 can greatly reduce plasma concentrations of endoxifen reducing the overall efficacy of tamoxifen. Women receiving 30 mg tamoxifen/day for 10 - 112 (average = 42) days had a mean (range) endoxifen plasma concentration of 8.6 +/- 7.0 (3.0 - 28.0) ng/mL. In one study, patients taking a CYP2D6 inhibitor along with 20 mg/day tamoxifen for four months had mean plasma endoxifen concentrations of 14.8 +/- 10.6 as compared to patients taking only tamoxifen (mean plasma concentration = 26.7 +/- 15.4 ng/mL). In comparison, CYP2D6 poor metabolizers had mean plasma endoxifen concentrations of 7.2 +/- 2.3 ng/mL.