



May 26, 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
Test Changes	Tests that have had changes to their method/CPT code, units of measurement, scope of analysis or specimen requirements
Reference Comments	Tests that have had reference comment changes

Please be advised all changes listed in this packet will go into effect on **September 14, 2009**. 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	Discontinued	Reference Comment	Misc.
1788SP	Acetaminophen, Serum/Plasma		.						
2075SP	Fioricet, Serum/Plasma		.						
3435SP	Percocet, Serum/Plasma		.						
3740B	Phenyltoloxamine, Blood		.						
3740FL	Phenyltoloxamine, Fluid		.						
3740SP	Phenyltoloxamine, Serum/Plasma		.						
3740U	Phenyltoloxamine, Urine		.						
4015B	Propofol, Blood							.	
4015SP	Propofol, Serum/Plasma							.	
4772SP	Vicodin, Serum/Plasma		.						
52104B	Phenyltoloxamine Confirmation, Blood (Forensic)		.						
52104FL	Phenyltoloxamine Confirmation, Fluid (Forensic)		.						
52104SP	Phenyltoloxamine Confirmation, Serum/Plasma (Forensic)		.						
52104TI	Phenyltoloxamine Confirmation, Tissue (Forensic)		.						
52104U	Phenyltoloxamine Confirmation, Urine (Forensic)		.						
53104B	Phenyltoloxamine Confirmation, Blood (Forensic)		.						
53104FL	Phenyltoloxamine Confirmation, Fluid (Forensic)		.						
53104SP	Phenyltoloxamine Confirmation, Serum/Plasma (Forensic)		.						
53104TI	Phenyltoloxamine Confirmation, Tissue (Forensic)		.						
53104U	Phenyltoloxamine Confirmation, Urine (Forensic)		.						
5667B	Theophylline Confirmation, Blood		.						
5667U	Theophylline Confirmation, Urine		.						
5726B	Propofol Confirmation, Blood							.	
5726SP	Propofol Confirmation, Serum/Plasma							.	
7661SP	T4 (Thyroxine), Free, Serum/Plasma							.	
7662SP	Thyroid Hormones (T3 & T4), Free, Fractionated, Serum/Plasma							.	
9401U	Chloral Hydrate Screen, Urine			.					
9253B	Propofol Screen, Blood							.	
9253SP	Propofol Screen, Serum/Plasma							.	

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Changes effective:
September 14, 2009

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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
1788SP	Acetaminophen, Serum/Plasma		
	Scope: Acetaminophen	mcg/mL	IA (82003)
	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: 1 month(s) Refrigerated: 1 month(s) Frozen (-20 °C): 1 month(s)		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Method was changed.		
2075SP	Fioricet, Serum/Plasma		
	Scope: Acetaminophen	mcg/mL	IA (82003)
	Caffeine	mcg/mL	GC (82491)
	Butalbital	mcg/mL	GC/MS (82205)
	Specimen Requirements: Specimen Requirements: 4 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: 14 day(s) Refrigerated: 14 day(s) Frozen (-20 °C): 14 day(s)		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Method was changed.		

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

Test Code	Test Name	Units	Method / CPT Code
3435SP	Percocet, Serum/Plasma Scope: Oxycodone - Free Acetaminophen Specimen Requirements: Specimen Requirements: 4 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: 23 day(s) Refrigerated: 1 month(s) Frozen (-20 °C): 1 month(s)	ng/mL mcg/mL	GC/MS (83925) IA (82003)
Summary of Changes: For Quality Improvement purposes the following changes were made. Method was changed.			
3740B	Phenyltoloxamine, Blood Scope: Phenyltoloxamine 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: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined	ng/mL	GC/MS (82542)
Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.			

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

Test Code	Test Name	Units	Method / CPT Code
3740FL	Phenyltoloxamine, Fluid Scope: Phenyltoloxamine 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 Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined	ng/mL	GC/MS (82542)
Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.			
3740SP	Phenyltoloxamine, Serum/Plasma Scope: Phenyltoloxamine 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: Polymer gel separation tube (SST or PST). Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined	ng/mL	GC/MS (82542)
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Method/CPT Code*, Units of Measurement, Scope of Analysis and Specimen Requirements

Test Code	Test Name	Units	Method / CPT Code
3740U	Phenyltoloxamine, Urine Scope: Phenyltoloxamine 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: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined	ng/mL	GC/MS (82542)
Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.			
52104B	Phenyltoloxamine Confirmation, Blood (Forensic) Scope: Phenyltoloxamine 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: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined	ng/mL	GC/MS (82542)
Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.			

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

Test Code	Test Name	Units	Method / CPT Code
52104FL	<p>Phenyltoloxamine Confirmation, Fluid (Forensic)</p> <p>Scope: Phenyltoloxamine</p> <p>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</p> <p>Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined</p>	ng/mL	GC/MS (82542)
<p>Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.</p>			
52104SP	<p>Phenyltoloxamine Confirmation, Serum/Plasma (Forensic)</p> <p>Scope: Phenyltoloxamine</p> <p>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: Polymer gel separation tube (SST or PST).</p> <p>Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined</p>	ng/mL	GC/MS (82542)
<p>Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.</p>			

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Test Code	Test Name	Units	Method / CPT Code
52104TI	Phenyltoloxamine Confirmation, Tissue (Forensic)		
	Scope: Phenyltoloxamine	ng/g	GC/MS (80103,82542)
	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		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.		
52104U	Phenyltoloxamine Confirmation, Urine (Forensic)		
	Scope: Phenyltoloxamine	ng/mL	GC/MS (82542)
	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: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.		

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Test Code	Test Name	Units	Method / CPT Code
53104B	Phenyltoloxamine Confirmation, Blood (Forensic) Scope: Phenyltoloxamine 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: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined	ng/mL	GC/MS (82542)
Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.			
53104FL	Phenyltoloxamine Confirmation, Fluid (Forensic) Scope: Phenyltoloxamine 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 Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined	ng/mL	GC/MS (82542)
Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.			

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Test Code	Test Name	Units	Method / CPT Code
53104SP	Phenyltoloxamine Confirmation, Serum/Plasma (Forensic)		
	Scope: Phenyltoloxamine	ng/mL	GC/MS (82542)
	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: Polymer gel separation tube (SST or PST).		
	Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.		
53104TI	Phenyltoloxamine Confirmation, Tissue (Forensic)		
	Scope: Phenyltoloxamine	ng/g	GC/MS (80103,82542)
	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		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.		

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Test Code	Test Name	Units	Method / CPT Code
53104U	<p>Phenyltoloxamine Confirmation, Urine (Forensic) Scope: Phenyltoloxamine 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: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined</p>	ng/mL	GC/MS (82542)
<p>Summary of Changes: For Quality Improvement purposes the following changes were made. Method and CPT code were changed.</p>			
5667B	<p>Theophylline Confirmation, Blood Scope: Theophylline 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: 1 month(s) Refrigerated: 1 month(s) Frozen (-20 °C): 1 month(s)</p>	mcg/mL	GC/MS (80102)
<p>Summary of Changes: For Quality Improvement purposes the following changes were made. Method was changed.</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
5667U	<p>Theophylline Confirmation, Urine</p> <p>Scope: Theophylline</p> <p>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</p> <p>Stability: Room Temperature: 14 day(s) Refrigerated: 14 day(s) Frozen (-20 °C): 12 month(s)</p>	mcg/mL	GC/MS (80102)
<p>Summary of Changes: For Quality Improvement purposes the following changes were made. Method was changed.</p>			
9401U	<p>Chloral Hydrate Screen, Urine</p> <p>Scope: Trichloro-organic Metabolites</p> <p>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</p> <p>Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined</p>	mcg/mL	SP (83921)
<p>Summary of Changes: For Quality Improvement purposes the following changes were made. Units were changed.</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
4772SP	Vicodin, Serum/Plasma Scope: Acetaminophen Hydrocodone - Free Specimen Requirements: Specimen Requirements: 4 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: 1 month(s) Refrigerated: 1 month(s) Frozen (-20 °C): 1 month(s)	mcg/mL ng/mL	IA (82003) GC/MS (83925)
Summary of Changes: For Quality Improvement purposes the following changes were made. Method was changed.			

REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
4015B	Propofol, Blood • Propofol	Patients required a mean blood propofol concentration of 4.05 +/- 1.01 mcg/mL for major surgery and 2.97 +/- 1.07 mcg/mL for non-major surgery. Blood propofol concentrations at which 50% of patients were awake and oriented after surgery were 1.07 and 0.95 mcg/mL respectively. Psychomotor performance returned to baseline at blood propofol concentrations of 0.38 - 0.43 mcg/mL.
4015SP	Propofol, Serum/Plasma • Propofol	Patients required a mean blood propofol concentration of 4.05 +/- 1.01 mcg/mL for major surgery and 2.97 +/- 1.07 mcg/mL for non-major surgery. Blood propofol concentrations at which 50% of patients were awake and oriented after surgery were 1.07 and 0.95 mcg/mL respectively. Psychomotor performance returned to baseline at blood propofol concentrations of 0.38 - 0.43 mcg/mL.

REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
5726B	Propofol Confirmation, Blood <ul style="list-style-type: none"> Propofol 	Patients required a mean blood propofol concentration of 4.05 +/- 1.01 mcg/mL for major surgery and 2.97 +/- 1.07 mcg/mL for non-major surgery. Blood propofol concentrations at which 50% of patients were awake and oriented after surgery were 1.07 and 0.95 mcg/mL respectively. Psychomotor performance returned to baseline at blood propofol concentrations of 0.38 - 0.43 mcg/mL.
5726SP	Propofol Confirmation, Serum/Plasma <ul style="list-style-type: none"> Propofol 	Patients required a mean blood propofol concentration of 4.05 +/- 1.01 mcg/mL for major surgery and 2.97 +/- 1.07 mcg/mL for non-major surgery. Blood propofol concentrations at which 50% of patients were awake and oriented after surgery were 1.07 and 0.95 mcg/mL respectively. Psychomotor performance returned to baseline at blood propofol concentrations of 0.38 - 0.43 mcg/mL.
9253B	Propofol Screen, Blood <ul style="list-style-type: none"> Propofol 	Patients required a mean blood propofol concentration of 4.05 +/- 1.01 mcg/mL for major surgery and 2.97 +/- 1.07 mcg/mL for non-major surgery. Blood propofol concentrations at which 50% of patients were awake and oriented after surgery were 1.07 and 0.95 mcg/mL respectively. Psychomotor performance returned to baseline at blood propofol concentrations of 0.38 - 0.43 mcg/mL.
9253SP	Propofol Screen, Serum/Plasma <ul style="list-style-type: none"> Propofol 	Patients required a mean blood propofol concentration of 4.05 +/- 1.01 mcg/mL for major surgery and 2.97 +/- 1.07 mcg/mL for non-major surgery. Blood propofol concentrations at which 50% of patients were awake and oriented after surgery were 1.07 and 0.95 mcg/mL respectively. Psychomotor performance returned to baseline at blood propofol concentrations of 0.38 - 0.43 mcg/mL.
7661SP	T4 (Thyroxine), Free, Serum/Plasma <ul style="list-style-type: none"> T4 (Thyroxine), Free 	Reference Intervals for patients: Up to 17 years: 0.9 - 2.4 ng/dL Age 18 years and above: 0.8 - 2.2 ng/dL
7662SP	Thyroid Hormones (T3 & T4), Free, Fractionated, Serum/Plasma <ul style="list-style-type: none"> T4 (Thyroxine), Free 	Reference Intervals for patients: Up to 17 years: 0.9 - 2.4 ng/dL Age 18 years and above: 0.8 - 2.2 ng/dL