



April 16, 2010

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.

<u>Type of Change</u>	<u>Explanation</u>
New Tests	Tests recently added to the NMS Labs test menu. New Tests are effective immediately.
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 **August 2, 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.
0801B	Buprenorphine and Metabolite - Free (Unconjugated), Blood					.				
0802B	Buprenorphine and Metabolite Screen - Free (Unconjugated), Blood					.				
1000B	Carboxy-, Met- and Sulf-Hemoglobin, Blood		.							
1560B	Dichloromethane and Carboxyhemoglobin, Blood		.							
2171B	Gold, Blood					.				
2171FL	Gold, Fluid					.				
2171R	Gold, RBCs					.				
2417B	Inhalant Intoxicants Profile, Blood		.							
2760B	Methadone, Blood							.		
2760FL	Methadone, Fluid							.		
2760SP	Methadone, Serum/Plasma							.		
3237B	Opiates (Low Dose) Screen - Free (Unconjugated), Blood					.				
3310U	Paraldehyde and Metabolite, Urine					.				
4206B	Sodium - Total, Blood							.		
4206FL	Sodium - Total, Fluid							.		
4206R	Sodium - Total, RBCs							.		
4206SP	Sodium - Total, Serum/Plasma							.		
4206U	Sodium - Total, Urine							.		
4666B	Duloxetine, Blood					.	.			
4666SP	Duloxetine, Serum/Plasma					.	.			
4764B	Vardenafil and Metabolite, Blood	.								
4764SP	Vardenafil and Metabolite, Serum/Plasma	.								
4764U	Vardenafil and Metabolite, Urine	.								
4860B	Ziprasidone, Blood					.	.			
4860SP	Ziprasidone, Serum/Plasma					.	.			
5010FL	Ethanol Confirmation, Fluid (Forensic)							.		
5010SP	Ethanol Confirmation, Serum/Plasma (Forensic)							.		
5010TI	Ethanol Confirmation, Tissue (Forensic)							.		
5010U	Ethanol Confirmation, Urine (Forensic)							.		
5011FL	Methanol Confirmation, Fluid (Forensic)							.		
5011SP	Methanol Confirmation, Serum/Plasma (Forensic)							.		
5011TI	Methanol Confirmation, Tissue (Forensic)							.		
5011U	Methanol Confirmation, Urine (Forensic)							.		
5012FL	Isopropanol Confirmation, Fluid (Forensic)							.		

**NMS Labs**

3701 Welsh Road, Willow Grove, PA 19090

800-522-6671

**Database Changes - Summary**

Test Code	Test Name	New Test	Method/CPT code	Units	Scope	Specimen Reqs	Stability	Discontinued	Reference Comment	Misc.
5012SP	Isopropanol Confirmation, Serum/Plasma (Forensic)							.		
5012TI	Isopropanol Confirmation, Tissue (Forensic)							.		
5012U	Isopropanol Confirmation, Urine (Forensic)							.		
5013FL	Acetone Confirmation, Fluid (Forensic)							.		
5013SP	Acetone Confirmation, Serum/Plasma (Forensic)							.		
5013TI	Acetone Confirmation, Tissue (Forensic)							.		
5013U	Acetone Confirmation, Urine (Forensic)							.		
8620ME	Barbiturates Panel (Qualitative), Meconium									.
8620ST	Barbiturates Panel (Qualitative), Stool									.
8670ME	Opiates - Total (Conjugated/Unconjugated) (Qualitative), Meconium									.
8722ST	Methadone and Metabolite (Qualitative), Stool									.
9315B	Flunitrazepam and Metabolites Screen, Blood (Forensic)							.		
9315FL	Flunitrazepam and Metabolites Screen, Fluid (Forensic)							.		
9315SP	Flunitrazepam and Metabolites Screen, Serum/Plasma (Forensic)							.		
9315U	Flunitrazepam and Metabolites Screen, Urine (Forensic)							.		

**NMS Labs**

3701 Welsh Road, Willow Grove, PA 19090

800-522-6671

**NEW TESTS**

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
<b>4764B</b>	<b>Vardenafil and Metabolite, Blood</b>			
	Scope of Analysis: Vardenafil	5	ng/mL	LC-MS/MS (83789)
	Reference Comment: Following administration of a 20 mg oral dose to 12 healthy males, peak plasma concentrations of 44 (+/- 36) ng/mL were achieved at an average Tmax of 0.75 hours. Vardenafil has a half-life of about 4 hours. The ratio of whole blood concentration to plasma concentration is unknown for this analyte.			
	Reference Comment: Desethylvardenafil	5	ng/mL	
	Following administration of a 20 mg oral dose of vardenafil to 12 healthy males, peak plasma concentrations were 38 (+/- 17) ng/mL at a Tmax of 0.75 hours. The ratio of whole blood concentration to plasma concentration is unknown for this analyte.			
	Specimen Requirements: Specimen Requirements: 1 mL Blood Transport Temperature: Refrigerated Specimen Container: Lavender top tube (EDTA) Light Protection: Not Required Special Handling: None Rejection Criteria: None			
	Stability: Room Temperature: 14 day(s) Refrigerated: 14 day(s) Frozen (-20 °C): 14 day(s)			

**NEW TESTS**

Test Code	Test Name	Reporting Limit	Units	Method / CPT Code
<b>4764SP</b>	<b>Vardenafil and Metabolite, Serum/Plasma</b>			
	Scope of Analysis: Vardenafil	5	ng/mL	LC-MS/MS (83789)
	Reference Comment: Following administration of a 20 mg oral dose to 12 healthy males, peak plasma concentrations of 44 (+/- 36) ng/mL were achieved at an average Tmax of 0.75 hours. Vardenafil has a half-life of about 4 hours.			
	Reference Comment: Desethylvardenafil	5	ng/mL	
	Reference Comment: Following administration of a 20 mg oral dose of vardenafil to 12 healthy males, peak plasma concentrations were 38 (+/- 17) ng/mL at a Tmax of 0.75 hours.			
	Specimen Requirements: Specimen Requirements: 1 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: Plastic container (preservative-free) Light Protection: Not Required Special Handling: Serum: Collect sample in Red top tube Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube. 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)			
<b>4764U</b>	<b>Vardenafil and Metabolite, Urine</b>			
	Scope of Analysis: Vardenafil	5	ng/mL	LC-MS/MS (83789)
	Reference Comment: Vardenafil is a phosphodiesterase 5 (PDE5) inhibitor used in the treatment of erectile dysfunction. It has antihypertensive properties and can lead to a drop in blood pressure.			
	Reference Comment: Desethylvardenafil	5	ng/mL	
	Reference Comment: This weakly active compound is formed by the liver following administration of vardenafil.			
	Specimen Requirements: Specimen Requirements: 1 mL Urine Transport Temperature: Refrigerated Specimen Container: Plastic container (preservative-free) Light Protection: Not Required Special Handling: None Rejection Criteria: None			
	Stability: Room Temperature: 7 day(s) Refrigerated: 30 day(s) Frozen (-20 °C): 30 day(s)			

**TEST UPDATES**

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

<b>Test Code</b>	<b>Test Name</b>	<b>Units</b>	<b>Method / CPT Code</b>
<b>8620ME</b>	<b>Barbiturates Panel (Qualitative), Meconium</b>		
Summary of Updates: For Quality Improvement purposes the following updates were made. Test Name was changed.			
<b>8620ST</b>	<b>Barbiturates Panel (Qualitative), Stool</b>		
Summary of Updates: For Quality Improvement purposes the following updates were made. Test Name was changed.			
<b>0801B</b>	<b>Buprenorphine and Metabolite - Free (Unconjugated), Blood</b>		
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: Received Frozen.			
Summary of Updates: For Quality Improvement purposes the following updates were made. Rejection Criteria was changed.			
<b>0802B</b>	<b>Buprenorphine and Metabolite Screen - Free (Unconjugated), Blood</b>		
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: Received Frozen.			
Summary of Updates: For Quality Improvement purposes the following updates were made. Rejection Criteria was changed.			
<b>1000B</b>	<b>Carboxy-, Met- and Sulf-Hemoglobin, Blood</b>		
Summary of Updates: For Quality Improvement purposes the following updates were made. Carboxyhemoglobin [SP]: Confirmation testing is automatically performed on all positive findings [Confirmation Acode: 5737B]			
<b>1560B</b>	<b>Dichloromethane and Carboxyhemoglobin, Blood</b>		
Summary of Updates: For Quality Improvement purposes the following updates were made. Carboxyhemoglobin [SP]: Confirmation testing is automatically performed on all positive findings [Confirmation Acode: 5737B]			

**TEST UPDATES**

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

Test Code	Test Name	Units	Method / CPT Code
4666B	<p><b>Duloxetine, Blood</b></p> <p>Specimen Requirements: Specimen Requirements: 1 mL Blood            Transport Temperature: Refrigerated            Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)            Light Protection: Not Required            Special Handling: Ensure that container remains tightly sealed.            Rejection Criteria: None</p> <p>Stability: Room Temperature: 30 day(s)            Refrigerated: 30 day(s)            Frozen (-20 °C): 30 day(s)</p>		
<p>Summary of Updates: For Quality Improvement purposes the following updates were made.            Specimen Container was changed.            Stability was changed.</p>			
4666SP	<p><b>Duloxetine, Serum/Plasma</b></p> <p>Specimen Requirements: Specimen Requirements: 1 mL Serum or Plasma            Transport Temperature: Refrigerated            Specimen Container: Plastic container (preservative-free)            Light Protection: Yes            Special Handling: Serum: Collect sample in Red top tube            Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.            Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines. Ensure that container remains tightly sealed.            Rejection Criteria: Not received Light Protected. Polymer gel separation tube (SST or PST).</p> <p>Stability: Room Temperature: 30 day(s)            Refrigerated: 30 day(s)            Frozen (-20 °C): 30 day(s)</p>		
<p>Summary of Updates: For Quality Improvement purposes the following updates were made.            Specimen Container was changed.            Light Protection was changed.            Special Handling was changed.            Stability was changed.</p>			
2171B	<p><b>Gold, Blood</b></p> <p>Specimen Requirements: Specimen Requirements: 5 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: Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Green top tube (Sodium Heparin).</p>		

**TEST UPDATES**

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

Test Code	Test Name	Units	Method / CPT Code
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Requested volume was changed.</p>			
<p><b>2171FL Gold, Fluid</b></p>	<p>Specimen Requirements: Specimen Requirements: 5 mL Fluid Transport Temperature: Refrigerated Specimen Container: Plastic container (Acid washed or Trace metal-free) Light Protection: Not Required Special Handling: None Rejection Criteria: None</p>		
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Requested volume was changed.</p>			
<p><b>2171R Gold, RBCs</b></p>	<p>Specimen Requirements: Specimen Requirements: 5 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.</p>		
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Requested volume was changed.</p>			
<p><b>2417B Inhalant Intoxicants Profile, Blood</b></p>	<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Carboxyhemoglobin [SP]: Confirmation testing is automatically performed on all positive findings [Confirmation Acode: 5737B]</p>		
<p><b>8722ST Methadone and Metabolite (Qualitative), Stool</b></p>	<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Test Name was changed.</p>		
<p><b>3237B Opiates (Low Dose) Screen - Free (Unconjugated), Blood</b></p>	<p>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: Received Frozen.</p>		
<p>Summary of Updates: For Quality Improvement purposes the following updates were made. Rejection Criteria was changed.</p>			

Updates effective:  
August 2, 2010

**NMS Labs**  
3701 Welsh Road, Willow Grove, PA 19090  
800-522-6671  
nms@nmslabs.com



**TEST UPDATES**

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

<b>Test Code</b>	<b>Test Name</b>	<b>Units</b>	<b>Method / CPT Code</b>
<b>8670ME</b>	<b>Opiates - Total (Conjugated/Unconjugated) (Qualitative), Meconium</b>		
Summary of Updates: For Quality Improvement purposes the following updates were made. Test Name was changed.			
<b>3310U</b>	<b>Paraldehyde and Metabolite, Urine</b>		
Specimen Requirements: Specimen Requirements: 2 mL Urine Transport Temperature: Frozen Specimen Container: Plastic tube Light Protection: Not Required Special Handling: Promptly transfer sample into a 5 or 10 mL plastic tube and immediately freeze for shipping. Rejection Criteria: Received Room Temperature. Received Refrigerated.			
Summary of Updates: For Quality Improvement purposes the following updates were made. Specimen Container was changed. Special Handling was changed.			
<b>8670ME</b>	<b>Opiates - Total (Conjugated/Unconjugated) (Qualitative), Meconium</b>		
Summary of Updates: For Quality Improvement purposes the following updates were made. Test Name was changed.			
<b>4860B</b>	<b>Ziprasidone, Blood</b>		
Specimen Requirements: Specimen Requirements: 1 mL Blood Transport Temperature: Frozen Specimen Container: Lavender top tube (EDTA) 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): 30 day(s)			
Summary of Updates: For Quality Improvement purposes the following updates were made. Transport Temperature was changed. Stability was changed.			

**TEST UPDATES**

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

Test Code	Test Name	Units	Method / CPT Code
<b>4860SP</b>	<b>Ziprasidone, Serum/Plasma</b>		
	Specimen Requirements: 1 mL Serum or Plasma Transport Temperature: Refrigerated Specimen Container: Lavender top tube (EDTA), Red top tube (no additive) 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): 30 day(s)		
	Summary of Updates: For Quality Improvement purposes the following updates were made. Specimen Container was changed. Stability was changed.		

**DISCONTINUED TESTS**

Test Code	Test Name	Alternative Test
5010FL	Ethanol Confirmation, Fluid (Forensic)	50030FL Ethanol Confirmation, Fluid (Forensic)
5010SP	Ethanol Confirmation, Serum/Plasma (Forensic)	50030SP Ethanol Confirmation, Serum/Plasma (Forensic)
5010TI	Ethanol Confirmation, Tissue (Forensic)	50030TI Ethanol Confirmation, Tissue (Forensic)
5010U	Ethanol Confirmation, Urine (Forensic)	50030U Ethanol Confirmation, Urine (Forensic)
5011FL	Methanol Confirmation, Fluid (Forensic)	50031FL Methanol Confirmation, Fluid (Forensic)
5011SP	Methanol Confirmation, Serum/Plasma (Forensic)	50031SP Methanol Confirmation, Serum/Plasma (Forensic)
5011TI	Methanol Confirmation, Tissue (Forensic)	50031TI Methanol Confirmation, Tissue (Forensic)
5011U	Methanol Confirmation, Urine (Forensic)	50031U Methanol Confirmation, Urine (Forensic)
5012FL	Isopropanol Confirmation, Fluid (Forensic)	50032FL Isopropanol Confirmation, Fluid (Forensic)
5012SP	Isopropanol Confirmation, Serum/Plasma (Forensic)	50032SP Isopropanol Confirmation, Serum/Plasma (Forensic)
5012TI	Isopropanol Confirmation, Tissue (Forensic)	50032TI Isopropanol Confirmation, Tissue (Forensic)
5012U	Isopropanol Confirmation, Urine (Forensic)	50032U Isopropanol Confirmation, Urine (Forensic)
5013FL	Acetone Confirmation, Fluid (Forensic)	50033FL Acetone Confirmation, Fluid (Forensic)
5013SP	Acetone Confirmation, Serum/Plasma (Forensic)	50033SP Acetone Confirmation, Serum/Plasma (Forensic)
5013TI	Acetone Confirmation, Tissue (Forensic)	50033TI Acetone Confirmation, Tissue (Forensic)
5013U	Acetone Confirmation, Urine (Forensic)	50033U Acetone Confirmation, Urine (Forensic)
9315B	Flunitrazepam and Metabolites Screen, Blood (Forensic)	9341B Flunitrazepam and Metabolites Screen, Blood
9315FL	Flunitrazepam and Metabolites Screen, Fluid (Forensic)	9341FL Flunitrazepam and Metabolites Screen, Fluid

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**NMS Labs**  
3701 Welsh Road, Willow Grove, PA 19090  
800-522-6671  
nms@nmslabs.com



## DISCONTINUED TESTS

Test Code	Test Name	Alternative Test
9315SP	Flunitrazepam and Metabolites Screen, Serum/Plasma (Forensic)	9341SP Flunitrazepam and Metabolites Screen, Serum/Plasma
9315U	Flunitrazepam and Metabolites Screen, Urine (Forensic)	9341U Flunitrazepam and Metabolites Screen, Urine
2760B	Methadone, Blood	8722B Methadone and Metabolite, Blood
2760FL	Methadone, Fluid	8722FL Methadone and Metabolite, Fluid
2760SP	Methadone, Serum/Plasma	8722SP Methadone and Metabolite, Serum/Plasma
4206B	Sodium - Total, Blood	No alternate test available
4206FL	Sodium - Total, Fluid	No alternate test available
4206R	Sodium - Total, RBCs	No alternate test available
4206SP	Sodium - Total, Serum/Plasma	No alternate test available
4206U	Sodium - Total, Urine	No alternate test available