



January 22, 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 **May 4, 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.
1470F	DDT, DDD and DDE, Fat			.				.	
2276B	Heroin - Free (Unconjugated), Blood				.				.
2276SP	Heroin - Free (Unconjugated), Serum/Plasma				.				.
2276U	Heroin - Free (Unconjugated), Urine				.				.
5101B	Gamma-Hydroxybutyric Acid Confirmation, Blood (Forensic)							.	
5101FL	Gamma-Hydroxybutyric Acid Confirmation, Fluid (Forensic)							.	
5101SP	Gamma-Hydroxybutyric Acid Confirmation, Serum/Plasma (Forensic)							.	
5101TI	Gamma-Hydroxybutyric Acid Confirmation, Tissue (Forensic)							.	
5101U	Gamma-Hydroxybutyric Acid Confirmation, Urine (Forensic)							.	
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							.	
5102U	Gamma-Hydroxybutyric Acid Confirmation, Urine							.	
5423B	Heroin Metabolites Confirmation - Free (Unconjugated), Blood				.				.
5423U	Heroin Metabolites Confirmation - Free (Unconjugated), Urine				.				.
5560SP	Mepivacaine Confirmation, Serum/Plasma			.					
5659U	Alfentanil Confirmation, Urine		.						
5686B	Heroin Confirmation - Free (Unconjugated), Blood				.				.
5686SP	Heroin Confirmation - Free (Unconjugated), Serum/Plasma				.				.
5707U	Heroin Confirmation - Free (Unconjugated), Urine				.				.
8665B	6-Monoacetylmorphine - Free (Unconjugated), Blood				.				.
8665FL	6-Monoacetylmorphine - Free (Unconjugated), Fluid				.				.
8665SP	6-Monoacetylmorphine - Free (Unconjugated), Serum/Plasma				.				.
8665U	6-Monoacetylmorphine - Free (Unconjugated), Urine				.				.
9103U	Alfentanil Screen, Urine		.						
9200SP	Mepivacaine Confirmation, Serum/Plasma			.					

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Database Changes - Summary

Test Code	Test Name	New Test	Method/ CPT code	Units	Scope	Specimen Reqs	Discontinued	Reference Comment	Misc.
9326B	Gamma-Hydroxybutyric Acid Screen, Blood (Forensic)							.	
9326FL	Gamma-Hydroxybutyric Acid Screen, Fluid (Forensic)							.	
9326SP	Gamma-Hydroxybutyric Acid Screen, Serum/Plasma (Forensic)							.	
9326TI	Gamma-Hydroxybutyric Acid Screen, Tissue (Forensic)							.	
9326U	Gamma-Hydroxybutyric Acid Screen, Urine (Forensic)							.	
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							.	
9404B	Nicotine and Metabolite Screen, Blood		.						
9404SP	Nicotine and Metabolite Screen, Serum/Plasma		.						
9404U	Nicotine and Metabolite Screen, Urine		.						
9523U	Antidepressant Screen, Urine (Study)					.			

Changes effective:
May 4, 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
8665B	6-Monoacetylmorphine - Free (Unconjugated), Blood Scope: 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL	GC/MS (83925)
	Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. 6-Monoacetylmorphine (Unconjugated) and Morphine (Unconjugated) were removed. 6-Monoacetylmorphine – Free and Morphine – Free were added.		
8665FL	6-Monoacetylmorphine - Free (Unconjugated), Fluid Scope: 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL	GC/MS (83925)
	Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. 6-Monoacetylmorphine (Unconjugated) and Morphine (Unconjugated) were removed. 6-Monoacetylmorphine – Free and Morphine – Free were added.		
8665SP	6-Monoacetylmorphine - Free (Unconjugated), Serum/Plasma Scope: 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL	GC/MS (83925)
	Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. 6-Monoacetylmorphine (Unconjugated) and Morphine (Unconjugated) were removed. 6-Monoacetylmorphine – Free and Morphine – Free were added.		
8665U	6-Monoacetylmorphine - Free (Unconjugated), Urine Scope: 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL	GC/MS (83925)
	Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. 6-Monoacetylmorphine (Unconjugated) and Morphine (Unconjugated) were removed. 6-Monoacetylmorphine – Free and Morphine – Free were added.		
5659U	Alfentanil Confirmation, Urine Scope: Alfentanil N-Desalkylalfentanil	ng/mL ng/mL	LC-MS/MS (83925)
	Summary of Changes: For Quality Improvement purposes the following changes were made. CPT code was changed.		
9103U	Alfentanil Screen, Urine Scope: Alfentanil N-Desalkylalfentanil	ng/mL ng/mL	LC-MS/MS (80100)
	Summary of Changes: For Quality Improvement purposes the following changes were made. CPT code was changed.		

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Test Code	Test Name	Units	Method / CPT Code
9523U	Antidepressant Screen, Urine (Study) 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 Required: Not Required Special Handling: None Rejection Criteria: None Stability: Room Temperature: 7 day(s) Refrigerated: 11 day(s) Frozen (-20 °C): 14 day(s)		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Requested Volume was decreased.		
1470F	DDT, DDD and DDE, Fat Scope: DDE DDT DDD	ppb ppb ppb	GC (82441)
	Summary of Changes: For Quality Improvement purposes the following changes were made. Units were changed.		
2276B	Heroin - Free (Unconjugated), Blood Scope: Diacetylmorphine - Free 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL ng/mL	GC/MS (83925)
	Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. Diacetylmorphine, 6-Monoacetylmorphine (Unconjugated) and Morphine (Unconjugated) were removed. Diacetylmorphine – Free, 6-Monoacetylmorphine – Free and Morphine – Free were added.		
2276SP	Heroin - Free (Unconjugated), Serum/Plasma Scope: Diacetylmorphine - Free 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL ng/mL	GC/MS (83925)
	Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. Diacetylmorphine, 6-Monoacetylmorphine (Unconjugated) and Morphine (Unconjugated) were removed. Diacetylmorphine – Free, 6-Monoacetylmorphine – Free and Morphine – Free were added.		

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

Test Code	Test Name	Units	Method / CPT Code
2276U	Heroin - Free (Unconjugated), Urine Scope: Diacetylmorphine - Free 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL ng/mL	GC/MS (83925)
Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. Diacetylmorphine, 6-Monoacetylmorphine (Unconjugated) and Morphine (Unconjugated) were removed. Diacetylmorphine – Free, 6-Monoacetylmorphine – Free and Morphine – Free were added.			
5686B	Heroin Confirmation - Free (Unconjugated), Blood Scope: Diacetylmorphine - Free 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL ng/mL	GC/MS (83925)
Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. Diacetylmorphine, 6-Monoacetylmorphine and Morphine were removed. Diacetylmorphine – Free, 6-Monoacetylmorphine – Free and Morphine – Free were added.			
5686SP	Heroin Confirmation - Free (Unconjugated), Serum/Plasma Scope: Diacetylmorphine - Free 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL ng/mL	GC/MS (83925)
Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. Diacetylmorphine, 6-Monoacetylmorphine (Unconjugated) and Morphine (Unconjugated) were removed. Diacetylmorphine – Free, 6-Monoacetylmorphine – Free and Morphine – Free were added.			
5707U	Heroin Confirmation - Free (Unconjugated), Urine Scope: Diacetylmorphine - Free 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL ng/mL	GC/MS (83925)
Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. Diacetylmorphine, 6-Monoacetylmorphine (Unconjugated) and Morphine (Unconjugated) were removed. Diacetylmorphine – Free, 6-Monoacetylmorphine – Free and Morphine – Free were added.			
5423B	Heroin Metabolites Confirmation - Free (Unconjugated), Blood Scope: 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL	GC/MS (83925)
Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. 6-Monoacetylmorphine (Unconjugated) and Morphine (Unconjugated) were removed. 6-Monoacetylmorphine – Free and Morphine – Free were added.			

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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
5423U	Heroin Metabolites Confirmation - Free (Unconjugated), Urine Scope: 6-Monoacetylmorphine - Free Morphine - Free	ng/mL ng/mL	GC/MS (83925)
Summary of Changes: For Quality Improvement purposes the following changes were made. Test Name was changed. 6-Monoacetylmorphine (Unconjugated) and Morphine (Unconjugated) were removed. 6-Monoacetylmorphine – Free and Morphine – Free were added.			
9200SP	Mepivacaine Screen, Serum/Plasma Scope: Mepivacaine	mcg/mL	GC (82491)
Summary of Changes: For Quality Improvement purposes the following changes were made. Units were changed.			
5560SP	Mepivacaine Confirmation, Serum/Plasma Scope: Mepivacaine	mcg/mL	GC/MS (80102)
Summary of Changes: For Quality Improvement purposes the following changes were made. Units were changed.			
9404B	Nicotine and Metabolite Screen, Blood Scope: Nicotine Cotinine	ng/mL ng/mL	LC-MS/MS (80100)
Summary of Changes: For Quality Improvement purposes the following changes were made. CPT code was changed.			
9404SP	Nicotine and Metabolite Screen, Serum/Plasma Scope: Nicotine Cotinine	ng/mL ng/mL	LC-MS/MS (80100)
Summary of Changes: For Quality Improvement purposes the following changes were made. CPT code was changed.			
9404U	Nicotine and Metabolite Screen, Urine Scope: Nicotine Cotinine	ng/mL ng/mL	LC-MS/MS (80100)
Summary of Changes: For Quality Improvement purposes the following changes were made. CPT code was changed.			

REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
1470F	DDT, DDD and DDE, Fat <ul style="list-style-type: none"> • DDE • DDT • DDD 	<p>Normal: Up to 5000 ppb.</p> <p>Average: 1300 ppb.</p> <p>Average: 25 ppb.</p>
9342B	Gamma-Hydroxybutyric Acid Screen, Blood <ul style="list-style-type: none"> • Gamma-Hydroxybutyric Acid 	<p>Following oral doses of 12.5 and 50 mg/kg, peak plasma concentrations averaged 20 and 80 mcg/mL, respectively, approximately 30 minutes after administration. GHB has a terminal half-life of 0.3 to 1 hour.</p> <p>The following effects have been generally associated with the corresponding blood concentrations: >260 mcg/mL: Deep sleep/coma 156 - 260 mcg/mL: Moderate sleep 52 - 156 mcg/mL: Light sleep < 52 mcg/mL: Wakefulness Responses are variable and may differ even within the same individual. The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>
9342FL	Gamma-Hydroxybutyric Acid Screen, Fluid <ul style="list-style-type: none"> • Gamma-Hydroxybutyric Acid 	<p>The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>
9342SP	Gamma-Hydroxybutyric Acid Screen, Serum/Plasma <ul style="list-style-type: none"> • Gamma-Hydroxybutyric Acid 	<p>Following oral doses of 12.5 and 50 mg/kg, peak plasma concentrations averaged 20 and 80 mcg/mL, respectively, approximately 30 minutes after administration. GHB has a terminal half-life of 0.3 to 1 hour.</p> <p>The following effects have been generally associated with the corresponding blood concentrations: >260 mcg/mL: Deep sleep/coma 156 - 260 mcg/mL: Moderate sleep 52 - 156 mcg/mL: Light sleep < 52 mcg/mL: Wakefulness Responses are variable and may differ even within the same individual. The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>
9342TI	Gamma-Hydroxybutyric Acid Screen, Tissue <ul style="list-style-type: none"> • Gamma-Hydroxybutyric Acid 	<p>The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>

REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
9342U	Gamma-Hydroxybutyric Acid Screen, Urine <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.
5102B	Gamma-Hydroxybutyric Acid Confirmation, Blood <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	<p>Following oral doses of 12.5 and 50 mg/kg, peak plasma concentrations averaged 20 and 80 mcg/mL, respectively, approximately 30 minutes after administration. GHB has a terminal half-life of 0.3 to 1 hour.</p> <p>The following effects have been generally associated with the corresponding blood concentrations: >260 mcg/mL: Deep sleep/coma 156 - 260 mcg/mL: Moderate sleep 52 - 156 mcg/mL: Light sleep < 52 mcg/mL: Wakefulness Responses are variable and may differ even within the same individual. The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>
5102FL	Gamma-Hydroxybutyric Acid Confirmation, Fluid <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.
5102SP	Gamma-Hydroxybutyric Acid Confirmation, Serum/Plasma <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	<p>Following oral doses of 12.5 and 50 mg/kg, peak plasma concentrations averaged 20 and 80 mcg/mL, respectively, approximately 30 minutes after administration. GHB has a terminal half-life of 0.3 to 1 hour.</p> <p>The following effects have been generally associated with the corresponding blood concentrations: >260 mcg/mL: Deep sleep/coma 156 - 260 mcg/mL: Moderate sleep 52 - 156 mcg/mL: Light sleep < 52 mcg/mL: Wakefulness Responses are variable and may differ even within the same individual. The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>
5102TI	Gamma-Hydroxybutyric Acid Confirmation, Tissue <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.

REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
5102U	Gamma-Hydroxybutyric Acid Confirmation, Urine <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	<p>The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>
9326B	Gamma-Hydroxybutyric Acid Screen, Blood (Forensic) <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	<p>Following oral doses of 12.5 and 50 mg/kg, peak plasma concentrations averaged 20 and 80 mcg/mL, respectively, approximately 30 minutes after administration. GHB has a terminal half-life of 0.3 to 1 hour.</p> <p>The following effects have been generally associated with the corresponding blood concentrations: >260 mcg/mL: Deep sleep/coma 156 - 260 mcg/mL: Moderate sleep 52 - 156 mcg/mL: Light sleep < 52 mcg/mL: Wakefulness Responses are variable and may differ even within the same individual. The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>
9326FL	Gamma-Hydroxybutyric Acid Screen, Fluid (Forensic) <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	<p>The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>
9326SP	Gamma-Hydroxybutyric Acid Screen, Serum/Plasma (Forensic) <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	<p>Following oral doses of 12.5 and 50 mg/kg, peak plasma concentrations averaged 20 and 80 mcg/mL, respectively, approximately 30 minutes after administration. GHB has a terminal half-life of 0.3 to 1 hour.</p> <p>The following effects have been generally associated with the corresponding blood concentrations: >260 mcg/mL: Deep sleep/coma 156 - 260 mcg/mL: Moderate sleep 52 - 156 mcg/mL: Light sleep < 52 mcg/mL: Wakefulness Responses are variable and may differ even within the same individual. The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>
9326TI	Gamma-Hydroxybutyric Acid Screen, Tissue (Forensic) <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	<p>The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>

REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
9326U	Gamma-Hydroxybutyric Acid Screen, Urine (Forensic) <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.
5101B	Gamma-Hydroxybutyric Acid Confirmation, Blood (Forensic) <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	<p>Following oral doses of 12.5 and 50 mg/kg, peak plasma concentrations averaged 20 and 80 mcg/mL, respectively, approximately 30 minutes after administration. GHB has a terminal half-life of 0.3 to 1 hour.</p> <p>The following effects have been generally associated with the corresponding blood concentrations: >260 mcg/mL: Deep sleep/coma 156 - 260 mcg/mL: Moderate sleep 52 - 156 mcg/mL: Light sleep < 52 mcg/mL: Wakefulness Responses are variable and may differ even within the same individual. The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>
5101FL	Gamma-Hydroxybutyric Acid Confirmation, Fluid (Forensic) <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.
5101SP	Gamma-Hydroxybutyric Acid Confirmation, Serum/Plasma (Forensic) <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	<p>Following oral doses of 12.5 and 50 mg/kg, peak plasma concentrations averaged 20 and 80 mcg/mL, respectively, approximately 30 minutes after administration. GHB has a terminal half-life of 0.3 to 1 hour.</p> <p>The following effects have been generally associated with the corresponding blood concentrations: >260 mcg/mL: Deep sleep/coma 156 - 260 mcg/mL: Moderate sleep 52 - 156 mcg/mL: Light sleep < 52 mcg/mL: Wakefulness Responses are variable and may differ even within the same individual. The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.</p>
5101TI	Gamma-Hydroxybutyric Acid Confirmation, Tissue (Forensic) <ul style="list-style-type: none"> Gamma-Hydroxybutyric Acid 	The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.

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REFERENCE COMMENT CHANGES

Test Code	Test Name / Compound	New Reference Comment
5101U	Gamma-Hydroxybutyric Acid Confirmation, Urine (Forensic) <ul style="list-style-type: none">Gamma-Hydroxybutyric Acid	The value reported for GHB is a total of GHB and its lactone (GBL) in the specimen.