



March 26, 2009

RE: **Emergency test change notification**

Dear Valued Client:

The following pages detail important information regarding a test requiring database modifications. Please be advised that this urgent change is effective **April 13, 2009**.

Please use this packet of information to update your computer systems/records. This change is 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 this change.

Sincerely,

NMS Labs

Database Changes - Summary

Test Code	Test Name	New Test	Method	Units	Scope	Specimen Reqs	Discontinued	Reference Comment	Misc.
0460B	Arsenic, Blood		.						
0541B	Benzene, Blood					.			
0541SP	Benzene, Serum/Plasma						.		
2242U	Heavy Metals Panel 5B, Urine (CSA)		.						
2661B	Metals/Metalloids Panel 1, Blood		.						
2663B	Metals/Metalloids Panel 1, Blood		.						
2693B	Metals/Metalloids Acute Poisoning Panel, Blood		.						
2693FL	Metals/Metalloids Acute Poisoning Panel, Fluid		.						
2693U	Metals/Metalloids Acute Poisoning Panel, Urine		.						
2697B	Metals Acute Poisoning Panel, Blood (CSA)		.						
4180FL	Selenium, Fluid		.			.			
4180LI	Selenium, Liquid		.			.			
4180U	Selenium, Urine		.						
6100LI	Dialysis Water Analysis		.						
6317U	Semi Conductor Panel, Urine		.						
8103B	Environmental Exposure Screen, Blood (Forensic)		.						

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Changes effective:
April 13, 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
0460B	Arsenic, Blood		
	Scope: Arsenic	mcg/L	ICP/MS (82175)
	Specimen Requirements: Specimen Requirements: 1 mL Blood Transport Temperature: Refrigerated Specimen Container: Royal Blue top tube (Trace metal-free; EDTA) Light Protection: Not Required Special Handling: Avoid seafood consumption for 48 hours prior to sample collection. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable. Rejection Criteria: Glass container. Green top tube (Sodium Heparin). Light Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Tan top tube - glass (Sodium Heparin).		
	Stability: Room Temperature: 2 month(s) Refrigerated: 2 month(s) Frozen (-20 °C): 2 month(s)		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Method was changed.		
0541B	Benzene, Blood		
	Scope: Benzene	mcg/mL	GC (84600)
	Specimen Requirements: Specimen Requirements: 2 mL Blood Transport Temperature: Refrigerated Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA) Light Protection: Not Required Special Handling: None Rejection Criteria: Received Room Temperature.		
	Stability: Room Temperature: Not Stable Refrigerated: 14 day(s) Frozen (-20 °C): 21 day(s)		
	Summary of Changes: For Quality Improvement purposes the following changes were made. Frozen Transport Temperature requirement was removed.		

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Test Code	Test Name	Units	Method / CPT Code
8103B	Environmental Exposure Screen, Blood (Forensic)		
	Scope: Cyanide	mcg/mL	SP (80101)
	Bromides	mcg/mL	Colorimetry (80101)
	Ethanol	mg/dL	
	Blood Alcohol Concentration (BAC)	% w/v	Headspace GC (82055)
	Methanol	mg/dL	
	Isopropanol	mg/dL	
	Acetone	mg/dL	
	Lead	mcg/dL	ICP/MS (83655)
	Arsenic	mcg/L	ICP/MS (82175)
	Selenium	mcg/L	GFAAS (84255)
	Thallium	mcg/L	ICP/MS (83018)
	Mercury	mcg/L	ICP/MS (83825)
	Trichloroacetic Acid	mcg/mL	GC (83921)
	Volatiles		GC (84600)
	Hydrocarbon Gases		GC (84600)
	Halocarbons		GC (84600)
	Bismuth	mcg/L	ICP/MS (83018)
	Barium	mcg/L	ICP/MS (83018)
	Antimony	mcg/L	ICP/MS (83018)
Cholinesterase	IU/L	EZA (82480)	
Carboxyhemoglobin	%	SP (80101)	
Methemoglobin	%	SP (83050)	
Sulfhemoglobin	%		
Specimen Requirements:	<p>Specimen Requirements: 10 mL Blood Transport Temperature: Refrigerated Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA), Royal Blue top tube (Trace metal-free; EDTA) Light Protection: Not Required Special Handling: Avoid seafood consumption for 48 hours prior to sample collection. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable. Rejection Criteria: Glass container. Green top tube (Sodium Heparin). Light Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Tan top tube - glass (Sodium Heparin).</p>		
Stability:	<p>Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined</p>		
Summary of Changes:	<p>For Quality Improvement purposes the following changes were made. Arsenic Method was changed.</p>		

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

Test Code	Test Name	Units	Method / CPT Code	
6100LI	Dialysis Water Analysis			
	Scope:	Arsenic	mg/L	ICP/MS (None)
		Fluoride	mg/L	
		Nitrate	mg/L	IC (None)
		Sulfate	mg/L	
		Chloramines	mg/L	
		Chlorine - Free	mg/L	SP (None)
		Lead	mg/L	ICP/MS (None)
		Chromium	mg/L	GFAAS (None)
		Selenium	mg/L	ICP/MS (None)
		Aluminum	mg/L	ICP/MS (None)
		Cadmium	mg/L	ICP/MS (None)
		Silver	mg/L	ICP/MS (None)
		Mercury	mg/L	ICP/MS (None)
		Copper	mg/L	
		Zinc	mg/L	
		Calcium	mg/L	
	Magnesium	mg/L	ICP/MS (None)	
	Barium	mg/L		
	Sodium	mg/L		
	Potassium	mg/L		
Specimen Requirements:	Specimen Requirements: 25 mL Liquid Transport Temperature: Refrigerated Specimen Container: Plastic container (Acid washed or Trace metal-free) Light Protection: Yes Special Handling: Avoid seafood consumption for 48 hours prior to sample collection. Rejection Criteria: Not received Light Protected.			
Stability:	Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined			
Summary of Changes:	For Quality Improvement purposes the following changes were made. Selenium Method was changed. Requested volume was increased.			

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

Test Code	Test Name	Units	Method / CPT Code	
2242U	Heavy Metals Panel 5B, Urine (CSA)			
	Scope:	Creatinine	mg/L	Colorimetry (82570)
		Bismuth	mcg/L	ICP/MS (83018)
		Arsenic	mcg/L	ICP/MS (82175)
		Arsenic (Creatinine corrected)	mcg/g Creat	
		Selenium	mcg/L	ICP/MS (84255)
		Selenium (Creatinine corrected)	mcg/g Creat	
		Tellurium	mcg/L	ICP/MS (83018)
		Mercury	mcg/L	ICP/MS (83825)
		Mercury (Creatinine corrected)	mcg/g Creat	
Specimen Requirements:	Specimen Requirements: 7 mL Urine Transport Temperature: Refrigerated Specimen Container: Plastic container (Acid washed or Trace metal-free) Light Protection: Not Required Special Handling: Unpreserved urine should be refrigerated immediately and analyzed within 1 week of collection. Acceptable preservatives include: Trace Metal Free Hydrochloric Acid or Nitric Acid (0.1 mL of 12M acid/10 mL urine). Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection. Avoid seafood consumption for 48 hours prior to sample collection. 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. Selenium Method was changed.			

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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
2693B	Metals/Metalloids Acute Poisoning Panel, Blood		
	Scope:		
	Arsenic	mcg/L	ICP/MS (82175)
	Bismuth	mcg/L	ICP/MS (83018)
	Mercury	mcg/L	ICP/MS (83825)
	Selenium	mcg/L	GFAAS (84255)
	Thallium	mcg/L	ICP/MS (83018)
	Antimony	mcg/L	ICP/MS (83018)
	Barium	mcg/L	ICP/MS (83018)
	Lead	mcg/dL	ICP/MS (83655)
Specimen Requirements:	Specimen Requirements: 7 mL Blood Transport Temperature: Refrigerated Specimen Container: Royal Blue top tube (Trace metal-free; EDTA) Light Protection: Not Required Special Handling: Avoid seafood consumption for 48 hours prior to sample collection. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable. Rejection Criteria: Glass container. Green top tube (Sodium Heparin). Light Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Tan top tube - glass (Sodium Heparin).		
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. Arsenic Method was changed.		
2693FL	Metals/Metalloids Acute Poisoning Panel, Fluid		
	Scope:		
	Arsenic	mg/L	ICP/MS (82175)
	Bismuth	mcg/L	ICP/MS (83018)
	Mercury	mcg/L	ICP/MS (83825)
	Selenium	mcg/L	ICP/MS (84255)
	Thallium	mcg/L	ICP/MS (83018)
	Antimony	mcg/L	ICP/MS (83018)
	Lead	mcg/L	ICP/MS (83655)
	Barium	mcg/L	ICP/MS (83018)
Specimen Requirements:	Specimen Requirements: 20 mL Fluid Transport Temperature: Refrigerated Specimen Container: Plastic container (Acid washed or Trace metal-free) Light Protection: Not Required Special Handling: Avoid seafood consumption for 48 hours prior to sample collection. 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. Selenium 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
2693U	Metals/Metalloids Acute Poisoning Panel, Urine		
	Scope: Arsenic	mcg/L	ICP/MS (82175)
	Bismuth	mcg/L	ICP/MS (83018)
	Mercury	mcg/L	ICP/MS (83825)
	Selenium	mcg/L	ICP/MS (84255)
	Thallium	mcg/L	ICP/MS (83018)
	Antimony	mcg/L	ICP/MS (83018)
	Lead	mcg/L	ICP/MS (83655)
	Barium	mcg/L	ICP/MS (83018)
Specimen Requirements:	Specimen Requirements: 8 mL Urine Transport Temperature: Refrigerated Specimen Container: Plastic container (Acid washed or Trace metal-free) Light Protection: Not Required Special Handling: Unpreserved urine should be refrigerated immediately and analyzed within 1 week of collection. Acceptable preservatives include: Trace Metal Free Hydrochloric Acid or Nitric Acid (0.1 mL of 12M acid/10 mL urine). Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection. Avoid seafood consumption for 48 hours prior to sample collection. Rejection Criteria: None		
Stability:	Room Temperature: 7 day(s) Refrigerated: 14 day(s) Frozen (-20 °C): 7 day(s)		
Summary of Changes:	For Quality Improvement purposes the following changes were made. Selenium Method was changed.		

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Test Code	Test Name	Units	Method / CPT Code
2697B	Metals Acute Poisoning Panel, Blood (CSA)		
	Scope: Chromium	mcg/L	GFAAS (82495)
	Cadmium	mcg/L	ICP/MS (82300)
	Antimony	mcg/L	ICP/MS (83018)
	Arsenic	mcg/L	ICP/MS (82175)
	Selenium	mcg/L	GFAAS (84255)
	Molybdenum	mcg/L	ICP/MS (83018)
	Bismuth	mcg/L	ICP/MS (83018)
	Tellurium	mcg/L	ICP/MS (83018)
	Vanadium	mcg/L	GFAAS (83018)
	Nickel	mcg/L	ICP/MS (83885)
	Cobalt	mcg/L	ICP/MS (83018)
	Zinc	mcg/dL	FAAS (84630)
	Copper	mcg/dL	FAAS (82525)
	Mercury	mcg/L	ICP/MS (83825)
Boron	mcg/L	ICP/MS (83018)	
Specimen Requirements:	Specimen Requirements: 10 mL Blood Transport Temperature: Refrigerated Specimen Container: Royal Blue top tube (Trace metal-free; EDTA), Royal Blue top tube, plastic (Trace metal-free; EDTA) Light Protection: Not Required Special Handling: Avoid seafood consumption for 48 hours prior to sample collection. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable. Rejection Criteria: Glass container. Green top tube (Sodium Heparin). Light Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Tan top tube - glass (Sodium Heparin).		
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. Arsenic 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
2661B	Metals/Metalloids Panel 1, Blood		
	Scope:		
	Lead	mcg/dL	ICP/MS (83655)
	Arsenic	mcg/L	ICP/MS (82175)
	Mercury	mcg/L	ICP/MS (83825)
	Specimen Requirements:	Specimen Requirements: 3 mL Blood Transport Temperature: Refrigerated Specimen Container: Royal Blue top tube (Trace metal-free; EDTA) Light Protection: Not Required Special Handling: Avoid seafood consumption for 48 hours prior to sample collection. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable. Rejection Criteria: Glass container. Green top tube (Sodium Heparin). Light Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Tan top tube - glass (Sodium Heparin).	
	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. Arsenic Method was changed.	
2663B	Metals/Metalloids Panel 1, Blood		
	Scope:		
	Chromium	mcg/L	GFAAS (82495)
	Cadmium	mcg/L	ICP/MS (82300)
	ZPP	mcg/dL	H (84202)
	Lead	mcg/dL	ICP/MS (83655)
	Arsenic	mcg/L	ICP/MS (82175)
	Mercury	mcg/L	ICP/MS (83825)
	Specimen Requirements:	Specimen Requirements: 7 mL Blood Transport Temperature: Refrigerated Specimen Container: Royal Blue top tube (Trace metal-free; EDTA) Light Protection: Yes Special Handling: Avoid seafood consumption for 48 hours prior to sample collection. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable. Rejection Criteria: Not received Light Protected. Glass container. Green top tube (Sodium Heparin). Light Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Tan top tube - glass (Sodium Heparin).	
	Stability:	Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined	
	Summary of Changes:	For Quality Improvement purposes the following changes were made. Arsenic 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
4180FL	Selenium, Fluid Scope: Selenium Specimen Requirements: Specimen Requirements: 3 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 Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined	mcg/L	ICP/MS (84255)
Summary of Changes: For Quality Improvement purposes the following changes were made. Method was changed. Requested volume was decreased.			
4180LI	Selenium, Liquid Scope: Selenium Specimen Requirements: Specimen Requirements: 3 mL Liquid Transport Temperature: Refrigerated Specimen Container: Plastic container (Acid washed or Trace metal-free) Light Protection: Not Required Special Handling: None Rejection Criteria: None Stability: Room Temperature: Undetermined Refrigerated: Undetermined Frozen (-20 °C): Undetermined	mcg/L	ICP/MS (None)
Summary of Changes: For Quality Improvement purposes the following changes were made. Method was changed. Requested volume was decreased.			

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Test Code	Test Name	Units	Method / CPT Code	
4180U	Selenium, Urine			
	Scope: Creatinine	mg/L	Colorimetry (82570)	
	Selenium	mcg/L	ICP/MS (84255)	
	Selenium (Creatinine corrected)	mcg/g Creat		
	Specimen Requirements:	Specimen Requirements: 3 mL Urine Transport Temperature: Refrigerated Specimen Container: Plastic container (Acid washed or Trace metal-free) Light Protection: Not Required Special Handling: Unpreserved urine should be refrigerated immediately and analyzed within 1 week of collection. Acceptable preservatives include: Trace Metal Free Hydrochloric Acid or Nitric Acid (0.1 mL of 12M acid/10 mL urine). Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection. 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 was changed.		
	6317U	Semi Conductor Panel, Urine		
		Scope: Creatinine	mg/L	Colorimetry (82570)
		Arsenic	mcg/L	ICP/MS (82175)
Arsenic (Creatinine corrected)		mcg/g Creat		
Selenium		mcg/L	ICP/MS (84255)	
Selenium (Creatinine corrected)		mcg/g Creat		
Cadmium		mcg/L	ICP/MS (82300)	
Cadmium(Creatinine corrected)		mcg/g Creat		
Tellurium		mcg/L	ICP/MS (83018)	
Mercury		mcg/L	ICP/MS (83825)	
Mercury (Creatinine corrected)	mcg/g Creat			
Specimen Requirements:	Specimen Requirements: 6 mL Urine Transport Temperature: Refrigerated Specimen Container: Plastic container (Acid washed or Trace metal-free) Light Protection: Not Required Special Handling: Unpreserved urine should be refrigerated immediately and analyzed within 1 week of collection. Acceptable preservatives include: Trace Metal Free Hydrochloric Acid or Nitric Acid (0.1 mL of 12M acid/10 mL urine). Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection. Avoid seafood consumption for 48 hours prior to sample collection. 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. Selenium Method was changed.			

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DISCONTINUED TESTS

Test Code	Test Name	Alternative Test
0541SP	Benzene, Serum/Plasma	0541B Benzene, Blood