



Effective Date:

Monday, November 28, 2011

## New Tests and Test Updates

Modified Date: 12/07/2011

In our continuing effort to provide you with the highest quality toxicology laboratory services available, we have compiled important changes regarding a number of tests we perform. Listed below are the types of changes that may be included in this notification, effective Monday, November 28, 2011

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**New Tests** - Tests recently added to the NMS Labs test menu. *New Tests are effective immediately.*

**Test Changes** - Tests that have had changes to the method/ CPT code, units of measurement, scope of analysis, reference comments, or specimen requirements.

**Discontinued Tests** - Tests being discontinued with alternate testing suggestions.

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Please use this 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 notification, 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.

The CPT Codes provided in this document are based on AMA guidelines and are for informational purposes only. NMS Labs does not assume responsibility for billing errors due to reliance on the CPT Codes listed in this document.



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Test Code	Test Name	New Test	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
0542U	Benzene Incident, Urine (OSHA)				•					
0543U	Benzene OSHA Exposure Panel, Urine				•					
0711SP	Boron, Serum/Plasma			•	•					
0711U	Boron, Urine			•	•					
0931SP	Caffeine, Serum/Plasma									•
0938SP	Calcium - Total, Serum/Plasma			•	•					
0938U	Calcium - Total, Urine			•	•					
1330SP	Copper, Serum/Plasma			•						
6100LI	Dialysis Water Analysis			•			•			
2430UH	Iron, 24 Hour Urine			•	•					
2430SP	Iron, Serum/Plasma			•						
2430U	Iron, Urine			•	•					
2520SP	Lithium, Serum/Plasma			•	•					
2520U	Lithium, Urine			•	•				•	
2551SP	Magnesium - Total, Serum/Plasma			•						
2551U	Magnesium - Total, Urine			•						
3066SP	Mineral Profile, Serum/Plasma			•	•					
3744SP	Phenytoin - Free, Serum/Plasma									•
3745SP	Phenytoin - Free/Bound, Serum/Plasma									•
3765SP	Phosphorus - Total, Serum/Plasma			•						
3765U	Phosphorus - Total, Urine			•	•					
3784SP	Potassium - Total, Serum/Plasma			•						
4190SP	Silicon, Serum/Plasma			•						
4190U	Silicon, Urine			•	•					
4844SP	Zinc, Serum/Plasma			•	•					
4844U	Zinc, Urine			•	•					



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## New Tests and Test Updates

### Test Changes

#### 0542U Benzene Incident, Urine (OSHA)

Summary of Changes: Specimen Requirements (Special Handling) were changed.

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Specimen Requirements: 4 mL Urine

Transport Temperature: Refrigerated

Specimen Container: Plastic container (preservative-free)

Light Protection: Not Required

Special Handling: Collect sample at end of shift. Samples must include collection date/time and be received at NMS Labs within 48 hrs of collection.

Samples preserved with Benzoic Acid are unsuitable for analysis. Preservative-free Urine samples are recommended.

Rejection Criteria: Received Room Temperature.

#### 0543U Benzene OSHA Exposure Panel, Urine

Summary of Changes: Specimen Requirements (Specimen Container) were changed.

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Specimen Requirements: 4 mL Urine

Transport Temperature: Refrigerated

Specimen Container: Plastic container (preservative-free)

Light Protection: Not Required

Special Handling: Collect sample at end of shift.

Samples preserved with Benzoic Acid are unsuitable for analysis. Preservative-free Urine samples are recommended.

Rejection Criteria: Received Room Temperature.

#### 0711SP Boron, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (83018)]

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Specimen Requirements: 2 mL Serum or Plasma

Transport Temperature: Refrigerated

Specimen Container: Plasma: Royal Blue top tube, plastic (Trace metal-free; EDTA), Serum: Royal Blue top tube, plastic (Trace metal-free; No additive)

Light Protection: Not Required

Special Handling: Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.

Rejection Criteria: Glass container. Polymer gel separation tube (SST or PST).

Scope of Analysis: ICP/OES (83018): Boron

Method (CPT Code)

#### 0711U Boron, Urine



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## New Tests and Test Updates

### Test Changes

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (83018)]

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Specimen Requirements: 6 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (Acid washed or Trace metal-free)  
Light Protection: Not Required  
Special Handling: Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection.  
Rejection Criteria: Glass container.  
Scope of Analysis: ICP/OES (83018): Boron  
Method (CPT Code)

#### 0938SP Calcium - Total, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (82310)]

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Specimen Requirements: 1 mL Serum or Plasma  
Transport Temperature: Refrigerated  
Specimen Container: Polymer gel separation tube (SST or PST), 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: Lavender top tube (EDTA).  
Scope of Analysis: ICP/OES (82310): Calcium  
Method (CPT Code)

#### 0938U Calcium - Total, Urine

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (82310)]

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Specimen Requirements: 1 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (Acid washed or Trace metal-free)  
Light Protection: Not Required  
Special Handling: Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection.  
Rejection Criteria: None  
Scope of Analysis: ICP/OES (82310): Calcium  
Method (CPT Code)

#### 1330SP Copper, Serum/Plasma



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## Test Changes

Summary of Changes: Methods/CPT Codes were changed [ICP/OES (82525)]

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Scope of Analysis: ICP/OES (82525): Copper  
Method (CPT Code)

### 6100LI Dialysis Water Analysis

Summary of Changes: Scope of Analysis was changed.  
Order of Reporting was changed.  
Methods/CPT Codes were changed [IC (None)]

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Scope of Analysis: ICP/MS (None): Arsenic  
Method (CPT Code) IC (None): Fluoride, Nitrate, Sulfate  
SP (None): Chloramines, Chlorine - Free  
ICP/MS (None): Lead  
ICP/MS (None): Chromium  
ICP/MS (None): Selenium  
ICP/MS (None): Aluminum  
ICP/MS (None): Cadmium  
ICP/MS (None): Silver  
ICP/MS (None): Mercury  
ICP/OES (None): Barium, Calcium, Copper, Potassium, Magnesium, Sodium, Zinc

### 2430UH Iron, 24 Hour Urine

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (83540)]

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Specimen Requirements: 6 mL 24 Hour Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (Acid washed or Trace metal-free)  
Light Protection: Not Required  
Special Handling: Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection.  
Rejection Criteria: None  
Scope of Analysis: ICP/OES (83540): Urine Volume, Iron, Iron  
Method (CPT Code)

### 2430SP Iron, Serum/Plasma

Summary of Changes: Methods/CPT Codes were changed [ICP/OES (83540)]

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Scope of Analysis: ICP/OES (83540): Iron  
Method (CPT Code)

### 2430U Iron, Urine



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### Test Changes

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (83540)]

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Specimen Requirements: 6 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (Acid washed or Trace metal-free)  
Light Protection: Not Required  
Special Handling: Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection.  
Rejection Criteria: None  
Scope of Analysis: ICP/OES (83540): Iron  
Method (CPT Code)

#### 2520SP Lithium, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (80178)]

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Specimen Requirements: 2 mL Serum or Plasma  
Transport Temperature: Refrigerated  
Specimen Container: Polymer gel separation tube (SST or PST), Red top tube (no additive)  
Light Protection: Not Required  
Special Handling: Submit in container with a non-Lithium based anticoagulant. Tubes containing Lithium based anticoagulants are not acceptable. Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.  
Rejection Criteria: Light Green top tube (Lithium Heparin).  
Scope of Analysis: ICP/OES (80178): Lithium  
Method (CPT Code)

#### 2520U Lithium, Urine

Summary of Changes: Specimen Requirements were changed.  
Reference Comment was changed.  
Methods/CPT Codes were changed [ICP/OES (80178)]

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Specimen Requirements: 6 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (Acid washed or Trace metal-free)  
Light Protection: Not Required  
Special Handling: Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection.  
Rejection Criteria: None



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## Test Changes

Scope of Analysis: ICP/OES (80178): Lithium  
Method (CPT Code)

Compound Name	Units	Reference Comment
Lithium	mEq/L	Normally: Less than 0.03 mEq/L. After lithium treatment: 30 - 70% excreted in 8 hours 95% excreted in 10 to 15 days

### 2551SP Magnesium - Total, Serum/Plasma

Summary of Changes: Methods/CPT Codes were changed [ICP/OES (83735)]

Scope of Analysis: ICP/OES (83735): Magnesium  
Method (CPT Code)

### 2551U Magnesium - Total, Urine

Summary of Changes: Methods/CPT Codes were changed [ICP/OES (83735)]

Scope of Analysis: ICP/OES (83735): Magnesium  
Method (CPT Code)

### 3066SP Mineral Profile, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (84630), ICP/OES (82525)]

Specimen Requirements: 6 mL Serum or Plasma

Transport Temperature: Refrigerated

Specimen Container: Plasma: Royal Blue top tube (Trace metal-free; EDTA), Serum: Royal Blue top tube (Trace metal-free; No additive)

Light Protection: Not Required

Special Handling: For Magnesium testing, please order Magnesium test 2551.  
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.

Rejection Criteria: Polymer gel separation tube (SST or PST). Lavender top tube (EDTA).

Scope of Analysis: ICP/MS (82495): Chromium, Cobalt

Method (CPT Code) ICP/MS (84255): Selenium  
ICP/MS (83018): Molybdenum  
ICP/MS (83785): Manganese  
ICP/OES (84630): Zinc  
ICP/OES (82525): Copper

### 3765SP Phosphorus - Total, Serum/Plasma

Summary of Changes: Methods/CPT Codes were changed [ICP/OES (84100)]



# New Tests and Test Updates

## Test Changes

Scope of Analysis: ICP/OES (84100): Phosphorus  
Method (CPT Code)

### 3765U Phosphorus - Total, Urine

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (84100)]

Specimen Requirements: 6 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (Acid washed or Trace metal-free)  
Light Protection: Not Required  
Special Handling: Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection.  
Rejection Criteria: Received Room Temperature.  
Scope of Analysis: ICP/OES (84100): Phosphorus  
Method (CPT Code)

### 3784SP Potassium - Total, Serum/Plasma

Summary of Changes: Methods/CPT Codes were changed [ICP/OES (84132)]

Scope of Analysis: ICP/OES (84132): Potassium  
Method (CPT Code)

### 4190SP Silicon, Serum/Plasma

Summary of Changes: Methods/CPT Codes were changed [ICP/OES (84285)]

Scope of Analysis: ICP/OES (84285): Silicon  
Method (CPT Code)

### 4190U Silicon, Urine

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (84285)]

Specimen Requirements: 6 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (Acid washed or Trace metal-free)  
Light Protection: Not Required  
Special Handling: Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection.  
Rejection Criteria: Glass container.  
Scope of Analysis: ICP/OES (84285): Silicon  
Method (CPT Code)





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## Test Changes

### 4844SP Zinc, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (84630)]

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Specimen Requirements: 2 mL Serum or Plasma  
Transport Temperature: Refrigerated  
Specimen Container: Plasma: Royal Blue top tube (Trace metal-free; EDTA), Serum: Royal Blue top tube (Trace metal-free; No additive)  
Light Protection: Not Required  
Special Handling: Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.  
Rejection Criteria: Polymer gel separation tube (SST or PST). Lavender top tube (EDTA).  
Scope of Analysis: ICP/OES (84630): Zinc  
Method (CPT Code)

### 4844U Zinc, Urine

Summary of Changes: Specimen Requirements were changed.  
Methods/CPT Codes were changed [ICP/OES (84630)]

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Specimen Requirements: 9 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: Received Room Temperature.  
Scope of Analysis: Colorimetry (82570): Creatinine  
Method (CPT Code) ICP/OES (84630): Zinc, Zinc (Creatinine corrected)



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## New Tests and Test Updates

### Discontinued Tests

Test Code	Test Name	Alternative Test
0931SP	Caffeine, Serum/Plasma	0930SP - Caffeine, Serum/Plasma
3744SP	Phenytoin - Free, Serum/Plasma	No Alternate Tests Available
3745SP	Phenytoin - Free/Bound, Serum/Plasma	No Alternate Tests Available