



Effective Date:  
Monday, February 20, 2012

## New Tests and Test Updates

### Volume Reduction Notice

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, February 20, 2012

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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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## New Tests and Test Updates

Test Code	Test Name	New Test	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
2358U	1-Hydroxypyrene, Urine				•					
2053U	2-Butoxyethanol Occupational Exposure Monitoring, Urine				•					
1788SP	Acetaminophen, Serum/Plasma				•					
0273U	Aminophenol, para-, Urine				•					
0390U	Aniline Exposure, Urine				•					
0468U	Arsenic, Total Inorganic, Urine				•					
0460U	Arsenic, Urine				•					
0542U	Benzene Incident, Urine (OSHA)				•					
0543U	Benzene OSHA Exposure Panel, Urine				•					
0638U	Beryllium, Urine				•					
0645FL	Bicarbonate, Fluid				•					
0645U	Bicarbonate, Urine				•					
0921U	Cadmium, Urine				•					
0969SP	Carbamazepine, Serum/Plasma				•					
0995U	Carbon Disulfide Exposure (TTCA), Urine				•					
1111U	Chlorobenzene Exposure (p-Chlorophenol), Urine				•					
1348U	Creatinine, Urine				•					
9361U	Ethyl Glucuronide Screen, Urine				•					
2029U	Ethylbenzene Exposure Biouptake, Urine				•					
2056U	Ethylene Glycol Monoethyl Ether, Urine				•					
2054U	Ethylene Glycol Monomethyl Ether, Urine				•					
2075SP	Fioricet®, Serum/Plasma				•					
6303U	Firefighter Core Baseline Profile, Urine				•					
2090U	Fluoride, Urine				•					
2134U	Formic Acid, Urine				•					
2243U	Heavy Metals Panel 4, Urine (CSA)				•					
2241U	Heavy Metals Panel 5A, Urine (CSA)				•					
2242U	Heavy Metals Panel 5B, Urine (CSA)				•					
3080U	MOCA, Urine				•					
2557U	Mandelic Acid, Urine				•					



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Test Code	Test Name	New Test	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
2570U	Manganese, Urine				•					
2233U	Metals Panel 2, Urine (CSA)				•					
2664U	Metals Panel 4 (Arsenic, Cadmium, Lead, Mercury), Urine				•					
2244U	Metals/Metalloids Panel (11), Urine (CSA)				•					
2661U	Metals/Metalloids Panel 1, Urine				•					
2663U	Metals/Metalloids Panel 3, Urine				•					
2240U	Metals/Metalloids Panel, Urine (CSA)				•					
2836U	Methanol Exposure Profile, Urine				•					
2973U	Methyl Bromide Exposure Profile, Urine				•					
3097U	Mono-(2-ethyl-5-oxohexyl) phthalate (MEOHP), Urine				•					
3096U	Mono-ethylhexyl phthalate (MEHP), Urine				•					
3098U	Mono-n-butyl phthalate (MNBP), Urine				•					
3185U	Nitrobenzene Exposure Monitoring, Urine				•					
3621U	Phenol Exposure, Urine				•					
3099U	Phthalates Panel, Urine				•					
3901SP	Primidone, Serum/Plasma				•					
4180U	Selenium, Urine				•					
6317U	Semi Conductor Panel, Urine				•					
6022U	Specific Gravity Confirmation, Urine				•					
4238U	Sulfide Exposure Biouptake Marker, Urine				•					
4472U	Thiosulfate, Urine				•					
0470UH	Total, Inorganic Arsenic, 24 Hour Urine (+Creatinine)				•					
4759SP	Valproic Acid - Free and Total, Serum/Plasma				•					
4760SP	Valproic Acid, Serum/Plasma				•					
4844U	Zinc, Urine				•					
3100U	t,t-Muconic Acid, Urine				•					



## New Tests and Test Updates

### Test Changes

#### 2358U 1-Hydroxypyrene, Urine

Summary of Changes: Specimen Requirements were changed.

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Specimen Requirements: 4 mL Urine  
Transport Temperature: Frozen  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: Received Room Temperature. Received Refrigerated.

#### 2053U 2-Butoxyethanol Occupational Exposure Monitoring, Urine

Summary of Changes: Specimen Requirements were changed.

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Specimen Requirements: 3 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: Collect sample at end of shift.  
Rejection Criteria: None

#### 1788SP Acetaminophen, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

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Specimen Requirements: 1 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).

#### 0273U Aminophenol, para-, Urine

Summary of Changes: Specimen Requirements were changed.

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## New Tests and Test Updates

### Test Changes

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.  
Rejection Criteria: None

#### **0390U Aniline Exposure, Urine**

Summary of Changes: Specimen Requirements 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.  
Rejection Criteria: None

#### **0468U Arsenic, Total Inorganic, Urine**

Summary of Changes: Specimen Requirements were changed.

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Specimen Requirements: 4 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

#### **0460U Arsenic, Urine**

Summary of Changes: Specimen Requirements were changed.

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# New Tests and Test Updates

## Test Changes

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. Avoid seafood consumption for 48 hours prior to sample collection.  
Rejection Criteria: None

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

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 3 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 were changed.

---

Specimen Requirements: 3 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.

### 0638U Beryllium, Urine

Summary of Changes: Specimen Requirements were changed.

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### Test Changes

Specimen Requirements: 3 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

#### 0645FL Bicarbonate, Fluid

Summary of Changes: Specimen Requirements were changed.

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Specimen Requirements: 5 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

#### 0645U Bicarbonate, Urine

Summary of Changes: Specimen Requirements were changed.

---

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: Received Room Temperature.

#### 0921U Cadmium, Urine

Summary of Changes: Specimen Requirements were changed.

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### Test Changes

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 Nitric Acid (0.1 mL of 16M acid/10 mL urine). Avoid exposure to gadolinium-based contrast media for 48 hours prior to sample collection.  
Rejection Criteria: None

#### **0969SP Carbamazepine, Serum/Plasma**

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 1 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).

#### **0995U Carbon Disulfide Exposure (TTCA), Urine**

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 3 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: Collect sample at end of shift.  
Rejection Criteria: Received Room Temperature.

#### **1111U Chlorobenzene Exposure (p-Chlorophenol), Urine**

Summary of Changes: Specimen Requirements were changed.

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# New Tests and Test Updates

## Test Changes

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 at end of work week.  
Rejection Criteria: None

### 1348U Creatinine, Urine

Summary of Changes: Specimen Requirements were changed.

---

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

### 9361U Ethyl Glucuronide Screen, Urine

Summary of Changes: Specimen Requirements were changed.

---

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

### 2029U Ethylbenzene Exposure Biouptake, Urine

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 2 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: None



# New Tests and Test Updates

## Test Changes

### 2056U Ethylene Glycol Monoethyl Ether, Urine

Summary of Changes: Specimen Requirements were changed.

---

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: Not Required  
Special Handling: Collect sample at end of shift at end of work week.  
Rejection Criteria: None

### 2054U Ethylene Glycol Monomethyl Ether, Urine

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 3 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: Collect sample at end of shift at end of work week.  
Rejection Criteria: None

### 2075SP Fioricet®, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

---

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).

### 6303U Firefighter Core Baseline Profile, Urine

Summary of Changes: Specimen Requirements were changed.

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# New Tests and Test Updates

## Test Changes

Specimen Requirements: 4 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (Acid washed or Trace metal-free)  
Light Protection: Not Required  
Special Handling: ERROR - Unable to Calc  
Rejection Criteria: None

### 2090U Fluoride, Urine

Summary of Changes: Specimen Requirements were changed.

---

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

### 2134U Formic Acid, Urine

Summary of Changes: Specimen Requirements were changed.

---

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: Not Required  
Special Handling: Collect sample prior to the last shift of the work week.  
Rejection Criteria: None

### 2243U Heavy Metals Panel 4, Urine (CSA)

Summary of Changes: Specimen Requirements were changed.

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## New Tests and Test Updates

### Test Changes

Specimen Requirements: 5 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

#### 2241U Heavy Metals Panel 5A, Urine (CSA)

Summary of Changes: Specimen Requirements were changed.

---

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: Received Frozen.

#### 2242U Heavy Metals Panel 5B, Urine (CSA)

Summary of Changes: Specimen Requirements were changed.

---

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

#### 3080U MOCA, Urine

Summary of Changes: Specimen Requirements were changed.

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### Test Changes

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: Add 1 mL 30% Citric Acid preservative or 3 drops concentrated HCl.  
Rejection Criteria: Received Room Temperature.

#### 2557U Mandelic Acid, Urine

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 2 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: None

#### 2570U Manganese, Urine

Summary of Changes: Specimen Requirements were changed.

---

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

#### 2233U Metals Panel 2, Urine (CSA)

Summary of Changes: Specimen Requirements were changed.

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## New Tests and Test Updates

### Test Changes

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. Avoid seafood consumption for 48 hours prior to sample collection.  
Rejection Criteria: None

#### **2664U Metals Panel 4 (Arsenic, Cadmium, Lead, Mercury), Urine**

Summary of Changes: Specimen Requirements were changed.

---

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

#### **2244U Metals/Metalloids Panel (11), Urine (CSA)**

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 17 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: Received Room Temperature. Received Frozen.

#### **2661U Metals/Metalloids Panel 1, Urine**

Summary of Changes: Specimen Requirements were changed.

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## New Tests and Test Updates

### Test Changes

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

#### **2663U Metals/Metalloids Panel 3, Urine**

Summary of Changes: Specimen Requirements were changed.

---

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: Received Frozen.

#### **2240U Metals/Metalloids Panel, Urine (CSA)**

Summary of Changes: Specimen Requirements were changed.

---

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.  
Rejection Criteria: Received Frozen.

#### **2836U Methanol Exposure Profile, Urine**

Summary of Changes: Specimen Requirements were changed.

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## New Tests and Test Updates

### Test Changes

Specimen Requirements: 4 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: None

#### **2973U Methyl Bromide Exposure Profile, Urine**

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 4 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

#### **3097U Mono-(2-ethyl-5-oxohexyl) phthalate (MEOHP), Urine**

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 4 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: Received Room Temperature.

#### **3096U Mono-ethylhexyl phthalate (MEHP), Urine**

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 4 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: Received Room Temperature.





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### Test Changes

#### **3098U Mono-n-butyl phthalate (MNBP), Urine**

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 4 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: Received Room Temperature.

#### **3185U Nitrobenzene Exposure Monitoring, Urine**

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 6 mL Urine  
Transport Temperature: Frozen  
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

#### **3621U Phenol Exposure, Urine**

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 4 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: 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.

#### **3099U Phthalates Panel, Urine**

Summary of Changes: Specimen Requirements were changed.

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## New Tests and Test Updates

### Test Changes

Specimen Requirements: 4 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: Received Room Temperature.

#### **3901SP Primidone, Serum/Plasma**

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 1 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).

#### **4180U Selenium, Urine**

Summary of Changes: Specimen Requirements were changed.

---

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

#### **6317U Semi Conductor Panel, Urine**

Summary of Changes: Specimen Requirements were changed.

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# New Tests and Test Updates

## Test Changes

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

### 6022U Specific Gravity Confirmation, Urine

Summary of Changes: Specimen Requirements were changed.

---

Specimen Requirements: 1 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

### 4238U Sulfide Exposure Biouptake Marker, Urine

Summary of Changes: Specimen Requirements were changed.

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Specimen Requirements: 6 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: Received Room Temperature.

### 4472U Thiosulfate, Urine

Summary of Changes: Specimen Requirements were changed.

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## New Tests and Test Updates

### Test Changes

Specimen Requirements: 6 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: Received Room Temperature.

#### **0470UH Total, Inorganic Arsenic, 24 Hour Urine (+Creatinine)**

Summary of Changes: Specimen Requirements were changed.

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Specimen Requirements: 4 mL 24 Hour 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

#### **4759SP Valproic Acid - Free and Total, Serum/Plasma**

Summary of Changes: Specimen Requirements were changed.

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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).

#### **4760SP Valproic Acid, Serum/Plasma**

Summary of Changes: Specimen Requirements were changed.

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## New Tests and Test Updates

### Test Changes

Specimen Requirements: 1 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).

#### 4844U Zinc, Urine

Summary of Changes: Specimen Requirements were changed.

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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.  
Rejection Criteria: Received Room Temperature.

#### 3100U t,t-Muconic Acid, Urine

Summary of Changes: Specimen Requirements were changed.

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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: Not Required  
Special Handling: Collect sample at end of shift.  
Add 1 drop of 12 N HCl.  
Rejection Criteria: None