



Effective Date:

Monday, September 12, 2011

## New Tests and Test Updates

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, September 12, 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.



Effective Date:  
Monday, September 12, 2011

## New Tests and Test Updates

Test Code	Test Name	New Test	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
0220B	Allyl Alcohol, Blood			•						
0220SP	Allyl Alcohol, Serum/Plasma			•						
0785B	Aromatic Solvents Exposure Panel, Blood			•						
0785SP	Aromatic Solvents Exposure Panel, Serum/Plasma			•						
0850B	Butanols, n-, iso-, Sec- and Tert, Blood			•						
0850SP	Butanols, n-, iso-, Sec- and Tert, Serum/Plasma			•						
0850U	Butanols, n-, iso-, Sec- and Tert, Urine			•						
0890B	Butyl Acetate, n-, iso-, Sec- and Tert-, Blood			•						
0890SP	Butyl Acetate, n-, iso-, sec- and tert-, Serum/Plasma			•						
0890U	Butyl Acetate, n-, iso-, sec- and tert-, Urine			•						
1407B	Cyclohexane, Blood			•						
1407SP	Cyclohexane, Serum/Plasma			•						
1409B	Cyclohexanone, Blood			•						
1409SP	Cyclohexanone, Serum/Plasma			•						
1409U	Cyclohexanone, Urine			•						
2020B	Ethyl Acetate, Blood			•						
2020SP	Ethyl Acetate, Serum/Plasma			•						
2020U	Ethyl Acetate, Urine			•						
2030B	Ethyl Benzene, Blood			•						
2030SP	Ethyl Benzene, Serum/Plasma			•						
2066B	Everolimus, Blood				•					
2270B	Heptane, n-, Blood			•						
2270SP	Heptane, n-, Serum/Plasma			•						
2386B	Ion Chromatography Panel, Blood									•
2386SP	Ion Chromatography Panel, Serum/Plasma									•
2386U	Ion Chromatography Panel, Urine									•
2982B	Methyl Isobutyl Ketone, Blood			•						
2982SP	Methyl Isobutyl Ketone, Serum/Plasma			•						
2982U	Methyl Isobutyl Ketone, Urine			•	•				•	
2980B	Methyl n-Butyl Ketone, Blood			•						



Effective Date:  
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Test Code	Test Name	New Test	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
2980SP	Methyl n-Butyl Ketone, Serum/Plasma			•						
2980U	Methyl n-Butyl Ketone, Urine			•	•					
8104B	Postmortem Toxicology - Fire Death Screen, Blood (Forensic)			•						
4120SP	Ropivacaine, Serum/Plasma				•	•				
0871B	Solvent Exposure Profile, Blood			•						
9287U	Tramadol Screen, Urine								•	
5626U	Tramadol and Metabolite Confirmation, Urine								•	
4533U	Tramadol and Metabolite Quantitation, Urine								•	
4780SP	Vitamin B3 (Niacin and Metabolites), Serum/Plasma				•					
2436B	iso-Butyl Alcohol, Blood			•						
2436SP	iso-Butyl Alcohol, Serum/Plasma			•						
2436U	iso-Butyl Alcohol, Urine			•						



# New Tests and Test Updates

## Test Changes

### 0220B Allyl Alcohol, Blood

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

Scope of Analysis: Headspace GC (84600): Allyl Alcohol  
Method (CPT Code)

### 0220SP Allyl Alcohol, Serum/Plasma

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

Scope of Analysis: Headspace GC (84600): Allyl Alcohol  
Method (CPT Code)

### 0785B Aromatic Solvents Exposure Panel, Blood

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

Scope of Analysis: Headspace GC (84600): Benzene, Toluene, o-Xylene, p-Xylene, m-Xylene, Ethyl  
Method (CPT Code) Benzene, Styrene

### 0785SP Aromatic Solvents Exposure Panel, Serum/Plasma

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

Scope of Analysis: Headspace GC (84600): Toluene, o-Xylene, p-Xylene, m-Xylene, Ethyl Benzene,  
Method (CPT Code) Styrene

### 0850B Butanols, n-, iso-, Sec- and Tert, Blood

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

Scope of Analysis: Headspace GC (84600): n-Butanol, Iso-Butanol, Sec-Butanol, Tert-Butanol  
Method (CPT Code)

### 0850SP Butanols, n-, iso-, Sec- and Tert, Serum/Plasma

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

Scope of Analysis: Headspace GC (84600): n-Butanol, Iso-Butanol, Sec-Butanol, Tert-Butanol  
Method (CPT Code)

### 0850U Butanols, n-, iso-, Sec- and Tert, Urine

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

Scope of Analysis: Headspace GC (84600): n-Butanol, Iso-Butanol, Sec-Butanol, Tert-Butanol  
Method (CPT Code)

### 0890B Butyl Acetate, n-, iso-, Sec- and Tert-, Blood



Effective Date:

Monday, September 12, 2011

# New Tests and Test Updates

## Test Changes

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): n-Butyl Acetate, Iso-Butyl Acetate, Sec-Butyl Acetate, Tert-Butyl Acetate  
Method (CPT Code) Butyl Acetate

### **0890SP Butyl Acetate, n-, iso-, sec- and tert-, Serum/Plasma**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): n-Butyl Acetate, Iso-Butyl Acetate, Sec-Butyl Acetate, Tert-Butyl Acetate  
Method (CPT Code) Butyl Acetate

### **0890U Butyl Acetate, n-, iso-, sec- and tert-, Urine**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): n-Butyl Acetate, Iso-Butyl Acetate, Sec-Butyl Acetate, Tert-Butyl Acetate  
Method (CPT Code) Butyl Acetate

### **1407B Cyclohexane, Blood**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Cyclohexane  
Method (CPT Code)

### **1407SP Cyclohexane, Serum/Plasma**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Cyclohexane  
Method (CPT Code)

### **1409B Cyclohexanone, Blood**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Cyclohexanone  
Method (CPT Code)

### **1409SP Cyclohexanone, Serum/Plasma**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Cyclohexanone  
Method (CPT Code)

### **1409U Cyclohexanone, Urine**



Effective Date:

Monday, September 12, 2011

## New Tests and Test Updates

### Test Changes

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Cyclohexanone  
Method (CPT Code)

#### **2020B Ethyl Acetate, Blood**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Ethyl Acetate  
Method (CPT Code)

#### **2020SP Ethyl Acetate, Serum/Plasma**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Ethyl Acetate  
Method (CPT Code)

#### **2020U Ethyl Acetate, Urine**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Ethyl Acetate  
Method (CPT Code)

#### **2030B Ethyl Benzene, Blood**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Ethyl Benzene  
Method (CPT Code)

#### **2030SP Ethyl Benzene, Serum/Plasma**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Ethyl Benzene  
Method (CPT Code)

#### **2066B Everolimus, Blood**

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

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Effective Date:

Monday, September 12, 2011

## New Tests and Test Updates

### Test Changes

Specimen Requirements: 1 mL Blood  
Transport Temperature: Refrigerated  
Specimen Container: Lavender top tube (EDTA)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: None

#### **2270B Heptane, n-, Blood**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): n-Heptane  
Method (CPT Code)

#### **2270SP Heptane, n-, Serum/Plasma**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): n-Heptane  
Method (CPT Code)

#### **2982B Methyl Isobutyl Ketone, Blood**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Methyl Isobutyl Ketone  
Method (CPT Code)

#### **2982SP Methyl Isobutyl Ketone, Serum/Plasma**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Methyl Isobutyl Ketone  
Method (CPT Code)

#### **2982U Methyl Isobutyl Ketone, Urine**

Summary of Changes: Specimen Requirements (Specimen Container) were changed.  
Reference Comment was changed.  
Methods/CPT Codes were changed [Headspace GC (84600)]

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Effective Date:

Monday, September 12, 2011

## New Tests and Test Updates

### Test Changes

Specimen Requirements: 2 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: Received Room Temperature.  
Scope of Analysis: Headspace GC (84600): Methyl Isobutyl Ketone  
Method (CPT Code)

Compound Name	Units	Reference Comment
Methyl Isobutyl Ketone	mcg/mL	Biological exposure index (ACGIH): Following workplace exposure to MIBK: 1 mcg/mL measured in an end of shift urine specimen.

#### 2980B Methyl n-Butyl Ketone, Blood

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

Scope of Analysis: Headspace GC (84600): Methyl n-Butyl Ketone  
Method (CPT Code)

#### 2980SP Methyl n-Butyl Ketone, Serum/Plasma

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

Scope of Analysis: Headspace GC (84600): Methyl n-Butyl Ketone  
Method (CPT Code)

#### 2980U Methyl n-Butyl Ketone, Urine

Summary of Changes: Specimen Requirements (Specimen Container) were changed.  
Specimen Requirements (Special Handling) were changed.  
Methods/CPT Codes were changed [Headspace GC (84600)]

Specimen Requirements: 2 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: Received Room Temperature.  
Scope of Analysis: Headspace GC (84600): Methyl n-Butyl Ketone  
Method (CPT Code)

#### 8104B Postmortem Toxicology - Fire Death Screen, Blood (Forensic)





# New Tests and Test Updates

## Test Changes

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

Scope of Analysis: SP (80101): Cyanide  
Method (CPT Code) ELISA (80101x9): Opiates, Cocaine / Metabolites, Benzodiazepines, Cannabinoids, Amphetamines, Barbiturates, Methadone, Phencyclidine, Propoxyphene  
Headspace GC (84600): Volatiles  
SP (80101): Carboxyhemoglobin  
SP (83050): Methemoglobin, Sulfhemoglobin

### 4120SP Ropivacaine, Serum/Plasma

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

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: Received Room Temperature. Polymer gel separation tube (SST or PST).  
Stability: Room Temperature: Not Stable  
Refrigerated: 28 day(s)  
Frozen (-20 °C): 8 month(s)

### 0871B Solvent Exposure Profile, Blood

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

Scope of Analysis: GC (82441): Trichloroethanol  
Method (CPT Code) Headspace GC (84600): Benzene, Toluene, o-Xylene, p-Xylene, m-Xylene, Ethyl Benzene, Styrene  
GC (84600): Carbon Tetrachloride, Trichloroethane, Trichloroethylene, Perchloroethylene

### 9287U Tramadol Screen, Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: EIA (80101): Tramadol  
Method (CPT Code)

Compound Name	Units	Reference Comment
Tramadol	ng/mL	Approximately 29% of a dose is excreted as unchanged Tramadol in urine over 72 hours.



# New Tests and Test Updates

## Test Changes

### 5626U Tramadol and Metabolite Confirmation, Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (83789): Tramadol, O-Desmethyltramadol  
Method (CPT Code)

Compound Name	Units	Reference Comment
Tramadol	ng/mL	Approximately 29% of a dose is excreted as unchanged Tramadol in urine over 72 hours.
O-Desmethyltramadol	ng/mL	O-Desmethyltramadol is one of the primary metabolites of tramadol, a synthetic opioid receptor agonist. Approximately 90% of a single oral dose of tramadol is eliminated in urine over 72 hours, about 20% as free and conjugated O-desmethyltramadol.

### 4533U Tramadol and Metabolite Quantitation, Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (83789): Tramadol, O-Desmethyltramadol  
Method (CPT Code)

Compound Name	Units	Reference Comment
Tramadol	ng/mL	Approximately 29% of a dose is excreted as unchanged Tramadol in urine over 72 hours.
O-Desmethyltramadol	ng/mL	O-Desmethyltramadol is one of the primary metabolites of tramadol, a synthetic opioid receptor agonist. Approximately 90% of a single oral dose of tramadol is eliminated in urine over 72 hours, about 20% as free and conjugated O-desmethyltramadol.

### 4780SP Vitamin B3 (Niacin and Metabolites), Serum/Plasma

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

- 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: Received Room Temperature. Polymer gel separation tube (SST or PST).



Effective Date:

Monday, September 12, 2011

## New Tests and Test Updates

### Test Changes

#### **2436B iso-Butyl Alcohol, Blood**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Iso-Butyl Alcohol  
Method (CPT Code)

#### **2436SP iso-Butyl Alcohol, Serum/Plasma**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Iso-Butyl Alcohol  
Method (CPT Code)

#### **2436U iso-Butyl Alcohol, Urine**

Summary of Changes: Methods/CPT Codes were changed [Headspace GC (84600)]

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Scope of Analysis: Headspace GC (84600): Iso-Butyl Alcohol  
Method (CPT Code)



Effective Date:

Monday, September 12, 2011

## New Tests and Test Updates

### Discontinued Tests

Test Code	Test Name	Alternative Test
2386B	Ion Chromatography Panel, Blood	No Alternate Tests Available
2386SP	Ion Chromatography Panel, Serum/Plasma	2090SP - Fluoride, Serum/Plasma 2134SP - Formic Acid, Serum/Plasma
2386U	Ion Chromatography Panel, Urine	2090U - Fluoride, Urine 2134U - Formic Acid, Urine