



Effective Date:

Monday, January 10, 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, January 10, 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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## New Tests and Test Updates

Test Code	Test Name	New Test	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
0185B	Alcohol Confirmation, Blood									•
0185SP	Alcohol Confirmation, Serum/Plasma									•
5684ST	Amphetamines Confirmation (Qualitative), Stool		•							
9523U	Antidepressant Screen, Urine (Study)									•
5651ST	Barbiturates Confirmation (Qualitative), Stool		•							
5641ST	Benzodiazepines Confirmation (Qualitative), Stool		•							
3037U	Butyl-Tins, Urine									•
5646ST	Cannabinoids Confirmation (Qualitative), Stool		•							
1287B	Clozapine and Metabolite, Blood			•						
1287FL	Clozapine and Metabolite, Fluid			•						
1287SP	Clozapine and Metabolite, Serum/Plasma			•						
1287TI	Clozapine and Metabolite, Tissue			•						
1287U	Clozapine and Metabolite, Urine			•						
5637ST	Cocaine and Metabolites Confirmation (Qualitative), Stool		•							
1916FL	Electrolytes Panel, Fluid									•
2148B	Galantamine, Blood	•								
2148SP	Galantamine, Serum/Plasma	•								
2148U	Galantamine, Urine	•								
7027FL	Glucose, Fluid									•
2406B	Indium, Blood				•					
2406R	Indium, RBCs				•					
5682ST	Methadone and Metabolite Confirmation (Qualitative), Stool		•							
5698ST	Opiates - Total (Conjugated/Unconjugated) Confirmation (Qualitative), Stool		•							
5657ST	Phencyclidine Confirmation (Qualitative), Stool		•							
5633ST	Propoxyphene and Metabolite Confirmation (Qualitative), Stool		•							
4125SP	Rufinamide, Serum/Plasma								•	
4305B	Tacrine, Blood	•								
4305SP	Tacrine, Serum/Plasma			•						
4305U	Tacrine, Urine	•								



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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
4303SP	Talwin® Nx, Serum/Plasma	•								
4303U	Talwin® Nx, Urine	•								
4512U	Toluene Exposure, Urine									•



# New Tests and Test Updates

## New Tests

<b>2148B</b>	<b>Galantamine, Blood</b>	<b>Effective Immediately</b>
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Scope of Analysis: Galantamine [LC-MS/MS]  
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)  
 Purpose: Therapeutic Drug Monitoring  
 Category: Cognitive Adjuvant  
 Specimen Requirements: 1 mL Blood  
 Minimum Volume: 0.4 mL  
 Special Handling: None  
 Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)  
 Transport Temperature: Refrigerated  
 Light Protection: Not Required  
 Rejection Criteria: None  
 Stability: Room Temperature: 30 day(s)  
 Refrigerated: 30 day(s)  
 Frozen (-20 °C): 30 day(s)

**Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)**

Set-Up Days / TAT: Tuesday 2 days (after set-up)  
 CPT Code: 83789

Compound Name / Alias	Units	RL	Reference Comment
Galantamine Galanthamine; Lycoremine; NSC-100058; Razadyne ER®; Razadyne®	ng/mL	1	<p>Following a single 4 mg dose of the immediate-release tablet, mean peak plasma concentrations were reported to range from 16 - 28 ng/mL (within about 2 hours).</p> <p>Following a single 8 mg dose of the immediate-release tablet, mean peak plasma concentrations were reported to range from 39 - 56 ng/mL (within about 2 hours).</p> <p>Steady-state mean peak plasma concentrations using the 16 mg extended-release capsule were reported to range from 43 - 62 ng/mL (at a peak time of 3.5 - 5.7 hours).</p> <p>The blood to plasma concentration ratio for galantamine is 1.2.</p>

<b>2148SP</b>	<b>Galantamine, Serum/Plasma</b>	<b>Effective Immediately</b>
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Scope of Analysis: Galantamine [LC-MS/MS]  
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)  
 Purpose: Therapeutic Drug Monitoring  
 Category: Cognitive Adjuvant  
 Specimen Requirements: 1 mL Serum or Plasma  
 Minimum Volume: 0.4 mL  
 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.  
 Specimen Container: Plastic container (preservative-free)



# New Tests and Test Updates

## New Tests

Transport Temperature: Refrigerated  
 Light Protection: Not Required  
 Rejection Criteria: Polymer gel separation tube (SST or PST).  
 Stability: Room Temperature: 30 day(s)  
 Refrigerated: 30 day(s)  
 Frozen (-20 °C): 30 day(s)

**Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)**

Set-Up Days / TAT: Tuesday 2 days (after set-up)  
 CPT Code: 83789

Compound Name / Alias	Units	RL	Reference Comment
Galantamine Galanthamine; Lycoremine; NSC-100058; Razadyne ER®; Razadyne®	ng/mL	1	<p>Following a single 4 mg dose of the immediate-release tablet, mean peak plasma concentrations were reported to range from 16 - 28 ng/mL (within about 2 hours).</p> <p>Following a single 8 mg dose of the immediate-release tablet, mean peak plasma concentrations were reported to range from 39 - 56 ng/mL (within about 2 hours).</p> <p>Steady-state mean peak plasma concentrations using the 16 mg extended-release capsule were reported to range from 43 - 62 ng/mL (at a peak time of 3.5 - 5.7 hours).</p>

**2148U Galantamine, Urine Effective Immediately**

Scope of Analysis: Galantamine [LC-MS/MS]  
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)  
 Purpose: Compliance Monitoring  
 Category: Cognitive Adjuvant  
 Specimen Requirements: 1 mL Urine  
 Minimum Volume: 0.4 mL  
 Special Handling: None  
 Specimen Container: Plastic container (preservative-free)  
 Transport Temperature: Refrigerated  
 Light Protection: Not Required  
 Rejection Criteria: None  
 Stability: Room Temperature: 14 day(s)  
 Refrigerated: 30 day(s)  
 Frozen (-20 °C): 30 day(s)

**Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)**

Set-Up Days / TAT: Tuesday 2 days (after set-up)  
 CPT Code: 83789

Compound Name / Alias	Units	RL	Reference Comment
Galantamine Galanthamine; Lycoremine; NSC-100058; Razadyne ER®; Razadyne®	ng/mL	1	Galantamine is eliminated mainly through the urine. After oral administration, about 20% of a dose is excreted unchanged in the urine in 24 hours. No other quantitative reference data for urine are available.



# New Tests and Test Updates

## New Tests

<b>4305B</b>	<b>Tacrine, Blood</b>	<b>Effective Immediately</b>
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Scope of Analysis: Tacrine [LC-MS/MS]  
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)  
 Purpose: Therapeutic Drug Monitoring  
 Category: Cognitive Adjuvant  
 Specimen Requirements: 1 mL Blood  
 Minimum Volume: 0.4 mL  
 Special Handling: None  
 Specimen Container: Lavender top tube (EDTA)  
 Transport Temperature: Refrigerated  
 Light Protection: Not Required  
 Rejection Criteria: None  
 Stability: Room Temperature: 30 day(s)  
 Refrigerated: 30 day(s)  
 Frozen (-20 °C): 30 day(s)

<b>Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)</b>
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Set-Up Days / TAT: Thursday 2 days (after set-up)  
 CPT Code: 83789

Compound Name / Alias	Units	RL	Reference Comment
Tacrine Cognex®; Tetrahydroaminoacridine (THA)	ng/mL	1	Elderly patients taking daily oral doses of tacrine achieved the following steady-state peak plasma concentrations: 40 mg/day - 5.1 ng/mL 80 mg/day - 21 ng/mL 120 mg/day - 34 ng/mL The ratio of blood to plasma concentrations is not known for this compound.

<b>4305U</b>	<b>Tacrine, Urine</b>	<b>Effective Immediately</b>
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Scope of Analysis: Tacrine [LC-MS/MS]  
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)  
 Purpose: Therapeutic Drug Monitoring  
 Category: Cognitive Adjuvant  
 Specimen Requirements: 1 mL Urine  
 Minimum Volume: 0.4 mL  
 Special Handling: None  
 Specimen Container: Plastic container (preservative-free)  
 Transport Temperature: Refrigerated  
 Light Protection: Not Required  
 Rejection Criteria: None  
 Stability: Room Temperature: 30 day(s)  
 Refrigerated: 30 day(s)  
 Frozen (-20 °C): 30 day(s)

<b>Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)</b>
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Set-Up Days / TAT: Thursday 2 days (after set-up)  
 CPT Code: 83789



# New Tests and Test Updates

## New Tests

Compound Name / Alias	Units	RL	Reference Comment
Tacrine Cognex®; Tetrahydroaminoacridine (THA)	ng/mL	1	No reference data available.

### 4303SP Talwin® Nx, Serum/Plasma Effective Immediately

Scope of Analysis: Naloxone - Free [LC-MS/MS], Pentazocine - Free [GC]  
 Method(s): Gas Chromatography (GC)  
 High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)  
 Purpose: Therapeutic Drug Monitoring  
 Category: Narcotic Analgesic  
 Specimen Requirements: 4 mL Serum or Plasma  
 Minimum Volume: 1.9 mL  
 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.  
 Specimen Container: Plastic container (preservative-free)  
 Transport Temperature: Refrigerated  
 Light Protection: Not Required  
 Rejection Criteria: Polymer gel separation tube (SST or PST).  
 Stability: Room Temperature: 7 day(s)  
 Refrigerated: 10 day(s)  
 Frozen (-20 °C): 30 day(s)

#### Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Set-Up Days / TAT: Monday Wednesday Friday 3 days (after set-up)  
 CPT Code: 83925

Compound Name / Alias	Units	RL	Reference Comment
Naloxone - Free	ng/mL	0.5	No data have been published on the blood, serum or plasma concentrations of naloxone following administration of Talwin® Nx. Following sublingual administration of 1 mg of naloxone formulated with buprenorphine, the mean maximum plasma naloxone concentration was 0.12 +/- 0.05 ng/mL.

#### Method: Gas Chromatography (GC)

Set-Up Days / TAT: Monday-Friday 2 days (after set-up)  
 CPT Code: 83925

Compound Name / Alias	Units	RL	Reference Comment
Pentazocine - Free	ng/mL	10	Following a 75 mg oral dose of pentazocine, plasma concentrations averaged 160 ng/mL in 2 to 3 hours.

### 4303U Talwin® Nx, Urine Effective Immediately

Scope of Analysis: Naloxone - Total [LC-MS/MS], Pentazocine - Total [GC]  
 Method(s): Gas Chromatography (GC)  
 High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)  
 Purpose: Compliance Monitoring  
 Category: Narcotic Analgesic  
 Specimen Requirements: 2 mL Urine  
 Minimum Volume: 1 mL  
 Special Handling: None



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## New Tests and Test Updates

### New Tests

Specimen Container: Plastic container (preservative-free)  
Transport Temperature: Refrigerated  
Light Protection: Not Required  
Rejection Criteria: None  
Stability: Room Temperature: 7 day(s)  
Refrigerated: 10 day(s)  
Frozen (-20 °C): 1 month(s)

**Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)**

Set-Up Days / TAT: Tuesday Thursday 4 days (after set-up)

CPT Code: 83925

Compound Name / Alias	Units	RL	Reference Comment
Naloxone - Total	ng/mL	5	No reference urine concentration data are available for Talwin® Nx.

**Method: Gas Chromatography (GC)**

Set-Up Days / TAT: Monday-Friday 2 days (after set-up)

CPT Code: 83925

Compound Name / Alias	Units	RL	Reference Comment
Pentazocine - Total	ng/mL	40	No reference urine concentration data are available for Talwin® Nx.





# New Tests and Test Updates

## Test Changes

### 5684ST Amphetamines Confirmation (Qualitative), Stool

Summary of Changes: Test Name was changed.

### 5651ST Barbiturates Confirmation (Qualitative), Stool

Summary of Changes: Test Name was changed.

### 5641ST Benzodiazepines Confirmation (Qualitative), Stool

Summary of Changes: Test Name was changed.

### 5646ST Cannabinoids Confirmation (Qualitative), Stool

Summary of Changes: Test Name was changed.

### 1287B Clozapine and Metabolite, Blood

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (83789)]

Scope of Analysis: LC-MS/MS (83789): Clozapine, Norclozapine  
Method (CPT Code)

### 1287FL Clozapine and Metabolite, Fluid

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (83789)]

Scope of Analysis: LC-MS/MS (83789): Clozapine, Norclozapine  
Method (CPT Code)

### 1287SP Clozapine and Metabolite, Serum/Plasma

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (83789)]

Scope of Analysis: LC-MS/MS (83789): Clozapine, Norclozapine  
Method (CPT Code)

### 1287TI Clozapine and Metabolite, Tissue

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (80103, 83789)]

Scope of Analysis: LC-MS/MS (80103, 83789): Clozapine, Norclozapine  
Method (CPT Code)

### 1287U Clozapine and Metabolite, Urine

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (83789)]



# New Tests and Test Updates

## Test Changes

Scope of Analysis: LC-MS/MS (83789): Clozapine, Norclozapine  
Method (CPT Code)

### 5637ST Cocaine and Metabolites Confirmation (Qualitative), Stool

Summary of Changes: Test Name was changed.

### 2406B Indium, Blood

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 1 mL Blood  
Transport Temperature: Refrigerated  
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)  
Light Protection: Not Required  
Special Handling: Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.  
Rejection Criteria: Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Green top tube (Sodium Heparin).

### 2406R Indium, RBCs

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 1 mL RBCs  
Transport Temperature: Refrigerated  
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)  
Light Protection: Not Required  
Special Handling: Centrifuge and separate RBCs into an acid washed plastic screw capped vial within two hours of collection.  
Rejection Criteria: Received Frozen.

### 5682ST Methadone and Metabolite Confirmation (Qualitative), Stool

Summary of Changes: Test Name was changed.

### 5698ST Opiates - Total (Conjugated/Unconjugated) Confirmation (Qualitative), Stool

Summary of Changes: Test Name was changed.

### 5657ST Phencyclidine Confirmation (Qualitative), Stool

Summary of Changes: Test Name was changed.



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## New Tests and Test Updates

### Test Changes

#### 5633ST Propoxyphene and Metabolite Confirmation (Qualitative), Stool

Summary of Changes: Test Name was changed.

#### 4125SP Rufinamide, Serum/Plasma

Summary of Changes: Reference Comment was changed.

Scope of Analysis: HPLC (82491): Rufinamide  
Method (CPT Code)

Compound Name	Units	Reference Comment
Rufinamide	mcg/mL	Maintenance therapy with 45 mg/kg/day rufinamide resulted in plasma rufinamide concentrations ranging from 5 - 48 mcg/mL.

#### 4305SP Tacrine, Serum/Plasma

Summary of Changes: Methods/CPT Codes were changed [LC-MS/MS (83789)]

Scope of Analysis: LC-MS/MS (83789): Tacrine  
Method (CPT Code)



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## New Tests and Test Updates

### Discontinued Tests

Test Code	Test Name	Alternative Test
0185B	Alcohol Confirmation, Blood	No Alternate Tests Available
0185SP	Alcohol Confirmation, Serum/Plasma	No Alternate Tests Available
9523U	Antidepressant Screen, Urine (Study)	9431U - Antidepressants Screen, Urine
3037U	Butyl-Tins, Urine	No Alternate Tests Available
1916FL	Electrolytes Panel, Fluid	1919FL - Electrolytes and Glucose Panel (Vitreous), Fluid (Forensic)
7027FL	Glucose, Fluid	2164FL - Glucose (Vitreous), Fluid (Forensic)
4512U	Toluene Exposure, Urine	4513U - Toluene Exposure, Urine