



Effective Date:  
Monday, January 10, 2022

## Test Updates

### Immediate Action

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, 2022

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**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 Updates

Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
81665FL	6-Monoacetylmorphine - Free (Unconjugated) Add-On, Fluid (Forensic)			•					
8665FL	6-Monoacetylmorphine - Free (Unconjugated), Fluid			•					
0406B	Anticoagulant Poisoning Panel (Qualitative), Blood						•		
0406SP	Anticoagulant Poisoning Panel (Qualitative), Serum/Plasma						•		
0485B	Atrazine, Blood			•					
0485SP	Atrazine, Serum/Plasma			•					
0485U	Atrazine, Urine			•					
5656B	Carbon Monoxide Exposure Biouptake Confirmation, Blood (Forensic)						•		
54154U	Chlorpromazine Confirmation (Qualitative) (DUID/DRE), Urine						•		
52272FL	Chlorpromazine Confirmation, Fluid						•		
52272U	Chlorpromazine Confirmation, Urine						•		
1333SP	Copper - Free, Serum/Plasma					•			
10218SP	Copper - Free, Serum/Plasma (CSA)					•			
1490U	Desipramine, Urine						•		
8704U	Desipramine, Urine						•		
1580B	Dieldrin, Blood						•	•	
1580SP	Dieldrin, Serum/Plasma						•	•	
5594U	Diuretics Confirmation (Qualitative), Urine						•		
9318U	Diuretics Screen, Urine						•		
10026SP	Fluoride, Serum/Plasma (CSA)					•			
10026U	Fluoride, Urine (CSA)					•			
2278B	Herbicides Panel 2, Blood			•					
2278SP	Herbicides Panel 2, Serum/Plasma			•					
2278U	Herbicides Panel 2, Urine			•					
2321U	Hydrocarbon and Oxygenated Volatiles Panel, Urine			•					
8703U	Imipramine and Metabolite, Urine						•		
2051B	Methyl Tertiary Butyl Ether and Metabolite, Blood						•		
2051U	Methyl Tertiary Butyl Ether and Metabolite, Urine						•		
2050B	Methyl Tertiary Butyl Ether, Blood						•		
3048SP	Metribuzin, Serum/Plasma			•					



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Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
3243B	Organochlorine Pesticides, Blood						•	•	
3243F	Organochlorine Pesticides, Fat						•	•	
3243SP	Organochlorine Pesticides, Serum/Plasma						•		
3243TI	Organochlorine Pesticides, Tissue						•		
5618U	Pentazocine Confirmation (Qualitative), Urine	•					•		
9441U	Pentazocine Screen, Urine						•		
3752B	Phosphatidylethanol, Blood				•				
10042B	Phosphatidylethanol, Blood (CSA)				•				
4333U	Tetrachloroethane, Urine			•					
4706U	Trimipramine and Metabolite, Urine						•		
8708U	Trimipramine and Metabolite, Urine						•		



# Test Updates

## Test Changes

### 81665FL 6-Monoacetylmorphine - Free (Unconjugated) Add-On, Fluid (Forensic)

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.

Specimen Requirements: 1 mL Fluid  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: None

### 8665FL 6-Monoacetylmorphine - Free (Unconjugated), Fluid

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.

Specimen Requirements: 1 mL Fluid  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: None

### 0406B Anticoagulant Poisoning Panel (Qualitative), Blood

Summary of Changes: Units were changed.

Scope of Analysis: LC-MS/MS (80377): Warfarin, Dicumarol, Diphacinone, Chlorophacinone,  
Method (CPT Code) Difenacoum, Brodifacoum, Bromadiolone

Compound Name	Units	Reference Comment
Warfarin	mcg/mL	Normal: None Detected

### 0406SP Anticoagulant Poisoning Panel (Qualitative), Serum/Plasma

Summary of Changes: Units were changed.

Scope of Analysis: LC-MS/MS (80377): Warfarin, Dicumarol, Diphacinone, Chlorophacinone,  
Method (CPT Code) Difenacoum, Brodifacoum, Bromadiolone

Compound Name	Units	Reference Comment
Warfarin	mcg/mL	Normal: None Detected

### 0485B Atrazine, Blood



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### Test Changes

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.

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Specimen Requirements: 3 mL Blood  
Transport Temperature: Refrigerated  
Specimen Container: Lavender top tube (EDTA)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: None

#### 0485SP Atrazine, Serum/Plasma

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.

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Specimen Requirements: 3 mL Serum or Plasma  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
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).

#### 0485U Atrazine, Urine

Summary of Changes: Specimen Requirements (Transport Temperature) 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: None  
Rejection Criteria: None

#### 5656B Carbon Monoxide Exposure Biouptake Confirmation, Blood (Forensic)

Summary of Changes: Units were changed.

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Scope of Analysis: MD (82376): Carboxyhemoglobin  
Method (CPT Code)



# Test Updates

## Test Changes

Compound Name	Units	Reference Comment
Carboxyhemoglobin	%Saturation	Normal: Nonsmokers up to 3.5% Smokers up to 8% Toxic symptoms above 10% Biological Exposure Index (ACGIH): Less than 3.5% measured in an end of shift Blood.

### 54154U Chlorpromazine Confirmation (Qualitative) (DUID/DRE), Urine

Summary of Changes: Units were changed.

Scope of Analysis: GC (80342): Chlorpromazine  
Method (CPT Code)

Compound Name	Units	Reference Comment
Chlorpromazine	mcg/mL	

### 52272FL Chlorpromazine Confirmation, Fluid

Summary of Changes: Units were changed.

Scope of Analysis: GC (80342): Chlorpromazine  
Method (CPT Code)

Compound Name	Units	Reference Comment
Chlorpromazine	mcg/mL	

### 52272U Chlorpromazine Confirmation, Urine

Summary of Changes: Units were changed.

Scope of Analysis: GC (80342): Chlorpromazine  
Method (CPT Code)

Compound Name	Units	Reference Comment
Chlorpromazine	mcg/mL	

### 10218SP Copper - Free, Serum/Plasma (CSA)

Summary of Changes: Scope of Analysis was changed.  
Copper - Free was added.  
Copper was removed.

Scope of Analysis: ICP/MS (82525): Copper - Free  
Method (CPT Code)



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### Test Changes

Compound Name	Units	Reference Comment
Copper - Free	mcg/L	<p>NMS Labs derived data: Median, 1.2 mcg/L; range, Less than 1 - 180 mcg/L (N = 937). 10 - 90% of concentrations range from Less than 1 - 54 mcg/L.</p> <p>NMS Labs uses a direct measurement technique using ultracentrifugation for free copper determinations. Comparison of reported concentrations to techniques where calculated free copper concentrations are determined is not recommended.</p>

#### 1333SP Copper - Free, Serum/Plasma

Summary of Changes: Scope of Analysis was changed.  
Copper - Free was added.  
Copper was removed.

Scope of Analysis: ICP/MS (82525): Copper - Free  
Method (CPT Code)

Compound Name	Units	Reference Comment
Copper - Free	mcg/L	<p>NMS Labs derived data: Median, 1.2 mcg/L; range, Less than 1 - 180 mcg/L (N = 937). 10 - 90% of concentrations range from Less than 1 - 54 mcg/L.</p> <p>NMS Labs uses a direct measurement technique using ultracentrifugation for free copper determinations. Comparison of reported concentrations to techniques where calculated free copper concentrations are determined is not recommended.</p>

#### 1490U Desipramine, Urine

Summary of Changes: Units were changed.

Scope of Analysis: GC (80335): Desipramine  
Method (CPT Code)

Compound Name	Units	Reference Comment
Desipramine	ng/mL	

#### 8704U Desipramine, Urine

Summary of Changes: Units were changed.



# Test Updates

## Test Changes

Scope of Analysis: GC & GC/MS (80335): Desipramine  
Method (CPT Code)

Compound Name	Units	Reference Comment
Desipramine	ng/mL	

### 1580B Dieldrin, Blood

Summary of Changes: Reference Comment was changed.  
Units were changed.

Scope of Analysis: GC (82441): Dieldrin  
Method (CPT Code)

Compound Name	Units	Reference Comment
Dieldrin	ng/mL	Normal Dieldrin: Up to 4 ng/mL blood; Occupational exposure: Up to 30 ng/mL blood; Acutely toxic: 200 ng/mL blood.

### 1580SP Dieldrin, Serum/Plasma

Summary of Changes: Reference Comment was changed.  
Units were changed.

Scope of Analysis: GC (82441): Dieldrin  
Method (CPT Code)

Compound Name	Units	Reference Comment
Dieldrin	ng/mL	Normal Dieldrin: Up to 4 ng/mL blood; Occupational exposure: Up to 30 ng/mL blood; Acutely toxic: 200 ng/mL blood.

### 5594U Diuretics Confirmation (Qualitative), Urine

Summary of Changes: Units were changed.

Scope of Analysis: LC-MS/MS (80377): Chlorothiazide, Hydrochlorothiazide, Acetazolamide,  
Method (CPT Code) Hydroflumethiazide, Triamterene, Chlorthalidone, Furosemide, Metolazone,  
Indapamide, Torsemide, Bumetanide, Canrenone

Compound Name	Units	Reference Comment
Acetazolamide	mcg/mL	Acetazolamide is a diuretic drug of the carbonic anhydrase inhibitor class. This substance is prohibited by the World Anti-Doping Administration.

### 9318U Diuretics Screen, Urine

Summary of Changes: Units were changed.





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### Test Changes

Scope of Analysis: LC-MS/MS (80307): Chlorothiazide, Hydrochlorothiazide, Acetazolamide,  
Method (CPT Code) Hydroflumethiazide, Triamterene, Chlorthalidone, Furosemide, Metolazone,  
Indapamide, Torsemide, Bumetanide, Canrenone

Compound Name	Units	Reference Comment
Acetazolamide	mcg/mL	

#### 10026SP Fluoride, Serum/Plasma (CSA)

Summary of Changes: Scope of Analysis was changed.  
Fluoride (CSA) was added.  
Fluoride was removed.

Scope of Analysis: ISE (82735): Fluoride (CSA)  
Method (CPT Code)

Compound Name	Units	Reference Comment
Fluoride (CSA)	umol/L	Reference interval: Generally less than 6.8 umol/L. The reference range is dependent on the level of water fluoridation and its consumption.

#### 10026U Fluoride, Urine (CSA)

Summary of Changes: Scope of Analysis was changed.  
Fluoride (CSA) was added.  
Fluoride was removed.

Scope of Analysis: ISE (82735): Fluoride (CSA)  
Method (CPT Code)

Compound Name	Units	Reference Comment
Fluoride (CSA)	umol/L	Normally less than 105 umol/L. The concentration is dependent on dietary intake. The ACGIH Biological Exposure Index (BEI) for monitoring workplace exposure to fluorides measured in urine specimens collected prior to shift is 105 umol/L and in urine specimens collected at the end of shift is 158 umol/L.

#### 2278B Herbicides Panel 2, Blood

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.



## Test Updates

### Test Changes

Specimen Requirements: 3 mL Blood  
Transport Temperature: Refrigerated  
Specimen Container: Lavender top tube (EDTA)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: None

#### **2278SP Herbicides Panel 2, Serum/Plasma**

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.

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Specimen Requirements: 3 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: Polymer gel separation tube (SST or PST).

#### **2278U Herbicides Panel 2, Urine**

Summary of Changes: Specimen Requirements (Transport Temperature) 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: None  
Rejection Criteria: None

#### **2321U Hydrocarbon and Oxygenated Volatiles Panel, Urine**

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.

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# Test Updates

## Test Changes

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

### 8703U Imipramine and Metabolite, Urine

Summary of Changes: Units were changed.

Scope of Analysis: GC & GC/MS (80335): Imipramine, Desipramine  
Method (CPT Code)

Compound Name	Units	Reference Comment
Imipramine	ng/mL	
Desipramine	ng/mL	

### 2051B Methyl Tertiary Butyl Ether and Metabolite, Blood

Summary of Changes: Units were changed.

Scope of Analysis: GC/MS (84600): Methyl Tertiary Butyl Ether, Tertiary Butyl Alcohol  
Method (CPT Code)

Compound Name	Units	Reference Comment
Methyl Tertiary Butyl Ether	mcg/mL	

### 2051U Methyl Tertiary Butyl Ether and Metabolite, Urine

Summary of Changes: Units were changed.

Scope of Analysis: GC/MS (84600): Methyl Tertiary Butyl Ether, Tertiary Butyl Alcohol  
Method (CPT Code)

Compound Name	Units	Reference Comment
Methyl Tertiary Butyl Ether	mcg/mL	

### 2050B Methyl Tertiary Butyl Ether, Blood

Summary of Changes: Units were changed.

Scope of Analysis: GC/MS (84600): Methyl Tertiary Butyl Ether  
Method (CPT Code)

Compound Name	Units	Reference Comment
Methyl Tertiary Butyl Ether	mcg/mL	

### 3048SP Metribuzin, Serum/Plasma



# Test Updates

## Test Changes

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.

Specimen Requirements: 3 mL Serum or Plasma  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
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).

### 3243B Organochlorine Pesticides, Blood

Summary of Changes: Reference Comment was changed.  
Units were changed.

Scope of Analysis: GC (82441): DDE, Lindane, Alpha-Chlordane, Gamma-Chlordane, Oxychlordane,  
Method (CPT Code) Trans-Nonachlor, Heptachlor, Heptachlorepoide, DDT, Hexachlorobenzene,  
Dieldrin, Methoxychlor, DDD

Compound Name	Units	Reference Comment
Dieldrin	ng/mL	Normal Dieldrin: Up to 4 ng/mL blood; Occupational exposure: Up to 30 ng/mL blood; Acutely toxic: 200 ng/mL blood.

### 3243F Organochlorine Pesticides, Fat

Summary of Changes: Reference Comment was changed.  
Units were changed.

Scope of Analysis: GC (82441): DDE, Lindane, Alpha-Chlordane, Gamma-Chlordane, Oxychlordane,  
Method (CPT Code) Trans-Nonachlor, Heptachlor, Heptachlorepoide, DDT, Hexachlorobenzene,  
Dieldrin, Methoxychlor, DDD

Compound Name	Units	Reference Comment
Dieldrin	ng/g	Mean: Approximately 140 ng/g.

### 3243SP Organochlorine Pesticides, Serum/Plasma

Summary of Changes: Units were changed.

Scope of Analysis: GC (82441): DDE, Lindane, Alpha-Chlordane, Gamma-Chlordane, Oxychlordane,  
Method (CPT Code) Trans-Nonachlor, Heptachlor, Heptachlorepoide, DDT, Hexachlorobenzene,  
Dieldrin, Methoxychlor, DDD

Compound Name	Units	Reference Comment
Dieldrin	ng/mL	

### 3243TI Organochlorine Pesticides, Tissue



# Test Updates

## Test Changes

Summary of Changes: Units were changed.

Scope of Analysis: GC (82441): DDE, Lindane, Alpha-Chlordane, Gamma-Chlordane, Oxychlordane,  
Method (CPT Code) Trans-Nonachlor, Heptachlor, Heptachlorepoide, DDT, Hexachlorobenzene,  
Dieldrin, Methoxychlor, DDD

Compound Name	Units	Reference Comment
Dieldrin	ng/g	

### 5618U Pentazocine Confirmation (Qualitative), Urine

Summary of Changes: Test Name was changed.  
Units were changed.

Scope of Analysis: GC/MS (80362): Pentazocine  
Method (CPT Code)

Compound Name	Units	Reference Comment
Pentazocine	ng/mL	

### 9441U Pentazocine Screen, Urine

Summary of Changes: Units were changed.

Scope of Analysis: GC (80307): Pentazocine  
Method (CPT Code)

Compound Name	Units	Reference Comment
Pentazocine	ng/mL	

### 10042B Phosphatidylethanol, Blood (CSA)

Summary of Changes: Stability was changed.

Stability: Room Temperature: Not Stable  
Refrigerated: 2 month(s)  
Frozen (-20 °C): 6 month(s)

### 3752B Phosphatidylethanol, Blood

Summary of Changes: Stability was changed.

Stability: Room Temperature: Not Stable  
Refrigerated: 2 month(s)  
Frozen (-20 °C): 6 month(s)

### 4333U Tetrachloroethane, Urine

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.



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### Test Changes

Specimen Requirements: 2 mL Urine  
Transport Temperature: Refrigerated  
Specimen Container: Plastic container (preservative-free)  
Light Protection: Not Required  
Special Handling: Tube should be filled to prevent loss of volatile compound into headspace. Ensure that container remains tightly sealed.  
Rejection Criteria: None

#### 4706U Trimipramine and Metabolite, Urine

Summary of Changes: Units were changed.

Scope of Analysis: GC (80335): Trimipramine, Desmethyltrimipramine  
Method (CPT Code)

Compound Name	Units	Reference Comment
Trimipramine	ng/mL	
Desmethyltrimipramine	ng/mL	

#### 8708U Trimipramine and Metabolite, Urine

Summary of Changes: Units were changed.

Scope of Analysis: GC & GC/MS (80335): Trimipramine, Desmethyltrimipramine  
Method (CPT Code)

Compound Name	Units	Reference Comment
Trimipramine	ng/mL	
Desmethyltrimipramine	ng/mL	