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, July 08, 2013.

**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.

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.
<table>
<thead>
<tr>
<th>Test Code</th>
<th>Test Name</th>
<th>New Test</th>
<th>Test Name</th>
<th>Method / CPT Code</th>
<th>Specimen Req.</th>
<th>Stability</th>
<th>Scope</th>
<th>Units</th>
<th>Reference Comments</th>
<th>Discontinue</th>
</tr>
</thead>
<tbody>
<tr>
<td>0495B</td>
<td>Avanafil, Blood</td>
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<td>Primidone, Phenobarbital and PEMA, Serum/Plasma</td>
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<td>Therapeutic and Abused Drugs with Alcohol Screen, Serum/Plasma (CSA)</td>
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<td>Vigabatrin, Serum/Plasma</td>
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<td>Zonisamide, Serum/Plasma</td>
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### New Tests

#### 0495B Avanafil, Blood

**Effective Immediately**

- **Scope of Analysis:** Avanafil (LC-MS/MS)
- **Method(s):** High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
- **Purpose:** Therapeutic Drug Monitoring. This test is New York State approved.
- **Category:** Erectile Dysfunction
- **Specimen Requirements:**
  - Minimum Volume: 1 mL Blood
  - Special Handling: None
- **Specimen Container:** Lavender top tube (EDTA)
- **Transport Temperature:** Refrigerated
- **Light Protection:** Not Required
- **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)

<table>
<thead>
<tr>
<th>Compound Name / Alias</th>
<th>Units</th>
<th>RL</th>
<th>Reference Comment</th>
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<tbody>
<tr>
<td>Avanafil</td>
<td>ng/mL</td>
<td>10</td>
<td>Single doses of 50 mg and 200 mg of avanafil had mean peak concentrations of approximately 500 and 2500 ng/mL, respectively. The blood to plasma ratio is unknown for this compound.</td>
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<tr>
<td>Stendra</td>
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#### 0495SP Avanafil, Serum/Plasma

**Effective Immediately**

- **Scope of Analysis:** Avanafil (LC-MS/MS)
- **Method(s):** High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
- **Purpose:** Therapeutic Drug Monitoring. This test is New York State approved.
- **Category:** Erectile Dysfunction
- **Specimen Requirements:**
  - 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)
- **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)

<table>
<thead>
<tr>
<th>Compound Name / Alias</th>
<th>Units</th>
<th>RL</th>
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<tbody>
<tr>
<td>Avanafil</td>
<td>mcg/mL</td>
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<tr>
<td>Stendra</td>
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</table>

Single doses of 50 mg and 200 mg of avanafil had mean peak concentrations of approximately 500 and 2500 ng/mL, respectively.
## New Tests

### 0420B  
**Betahydroxybutyric Acid, Blood**

| Method(s): | Gas Chromatography/Mass Spectrometry (GC/MS) |
| Purpose: | Postmortem Evaluation. Diagnostic Monitoring. This test is New York State approved. |
| Category: | Biological Marker |
| Minimum Volume: | 1 mL Blood |
| Special Handling: | None |
| Specimen Container: | Gray top tube (Sodium Fluoride / Potassium Oxalate) |
| Transport Temperature: | Refrigerated |
| Light Protection: | Not Required |
| Room Temperature: | 2 day(s) |
| Refrigerated: | 14 day(s) |
| Frozen (-20 °C): | 30 day(s) |

**Scope of Analysis:** Betahydroxybutyric Acid [GC/MS]

**Compound Name / Alias**

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<tr>
<th>Units</th>
<th>RL</th>
<th>Reference Comment</th>
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<tbody>
<tr>
<td>mcg/mL</td>
<td>20</td>
<td>Blood betahydroxybutyric acid concentrations below 50 mcg/mL are considered normal while concentrations greater than 250 mcg/mL are indicative of ketoacidosis.</td>
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</tbody>
</table>

### 0420FL  
**Betahydroxybutyric Acid, Fluid**

| Method(s): | Gas Chromatography/Mass Spectrometry (GC/MS) |
| Purpose: | Postmortem Evaluation. Diagnostic Monitoring. This test is New York State approved. |
| Category: | Biological Marker |
| Minimum Volume: | 1 mL Fluid |
| Special Handling: | None |
| Specimen Container: | Plastic container (preservative-free) |
| Transport Temperature: | Refrigerated |
| Light Protection: | Not Required |
| Room Temperature: | 1 day(s) |
| Refrigerated: | 7 day(s) |
| Frozen (-20 °C): | 30 day(s) |

**Scope of Analysis:** Betahydroxybutyric Acid [GC/MS]

**Compound Name / Alias**

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<th>RL</th>
<th>Reference Comment</th>
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<tr>
<td>mcg/mL</td>
<td>20</td>
<td>Vitreous fluid betahydroxybutyric acid concentrations below 50 mcg/mL are considered normal while concentrations greater than 250 mcg/mL are indicative of ketoacidosis.</td>
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</table>
New Tests

1495B  Desomorphine, Blood  Effective Immediately

Scope of Analysis: Desomorphine [LC-MS/MS]
Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
Purpose: Forensic Investigation. This test is New York State approved.
Category: Drugs of Abuse
Specimen Requirements: 2 mL Blood
Minimum Volume: 0.7 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)

Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
Set-Up Days / TAT: Monday-Sunday 7 days (after set-up)
CPT Code: 83789

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</tbody>
</table>

1495SP  Desomorphine, Serum/Plasma  Effective Immediately

Scope of Analysis: Desomorphine [LC-MS/MS]
Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
Purpose: Forensic Investigation. This test is New York State approved.
Category: Drugs of Abuse
Specimen Requirements: 2 mL Serum or Plasma
Minimum Volume: 0.7 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: 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: Monday-Sunday 7 days (after set-up)
CPT Code: 83789

<table>
<thead>
<tr>
<th>Compound Name / Alias</th>
<th>Units</th>
<th>RL</th>
<th>Reference Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desomorphine</td>
<td>mcg/mL</td>
<td>0.5</td>
<td>No reference data available.</td>
</tr>
<tr>
<td>Dihydrodesoxymorphine;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dihydrodesoxymorphine-D; Krokodil;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permonid</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
New Tests

1515B  Diazoxide, Blood

Scope of Analysis:  Diazoxide [LC-MS/MS]
Method(s):  High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
Purpose:  Therapeutic Drug Monitoring. This test is New York State approved.
Category:  Antihypertensive

Specimen Requirements:  1 mL Blood
Minimum Volume:  0.21 mL
Special Handling:  None
Specimen Container:  Lavender top tube (EDTA)
Transport Temperature:  Refrigerated
Light Protection:  Not Required
Rejection Criteria:  None
Stability:  Room Temperature: 1 month(s)
Refrigerated: 1 month(s)
Frozen (-20 °C): 1 month(s)

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

<table>
<thead>
<tr>
<th>Compound Name / Alias</th>
<th>Units</th>
<th>RL</th>
<th>Reference Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diazoxide</td>
<td>ng/mL</td>
<td>1000</td>
<td>Plateau plasma concentrations following 300 mg intravenous injection of diazoxide ranged from 15000 to 25000 ng/mL. The blood to plasma ratio of diazoxide is not known.</td>
</tr>
<tr>
<td>Hyperstat®; Proglycem®</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2345B  Hydroflumethiazide, Blood

Scope of Analysis:  Hydroflumethiazide [LC-MS/MS]
Method(s):  High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
Purpose:  Therapeutic Drug Monitoring. This test is New York State approved.
Category:  Diuretic

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: 7 day(s)
Refrigerated: 1 month(s)
Frozen (-20 °C): 1 month(s)

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

<table>
<thead>
<tr>
<th>Compound Name / Alias</th>
<th>Units</th>
<th>RL</th>
<th>Reference Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroflumethiazide</td>
<td>ng/mL</td>
<td>10</td>
<td>Peak plasma concentrations averaged 530 +/- 150 ng/mL in 6 healthy subjects taking 100 mg daily hydroflumethiazide for seven days. The blood to plasma ratio of hydroflumethiazide is approximately 0.9.</td>
</tr>
<tr>
<td>Saluron®</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

New Tests and Test Updates

NMS LABS
3701 Welsh Road
Willow Grove, PA 19090
www.NMSLabs.com
# Test Changes

## 5941SP  Barbiturates Confirmation, Serum/Plasma (CSA)

<table>
<thead>
<tr>
<th>Summary of Changes:</th>
<th>Specimen Requirements (Specimen Container) were changed. Specimen Requirements (Special Handling) were changed. Stability was changed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specimen Requirements:</td>
<td>2 mL Serum or Plasma</td>
</tr>
<tr>
<td>Transport Temperature:</td>
<td>Refrigerated</td>
</tr>
<tr>
<td>Specimen Container:</td>
<td>Plastic container (preservative-free)</td>
</tr>
<tr>
<td>Light Protection:</td>
<td>Not Required</td>
</tr>
<tr>
<td>Special Handling:</td>
<td>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.</td>
</tr>
<tr>
<td>Rejection Criteria:</td>
<td>Polymer gel separation tube (SST or PST).</td>
</tr>
<tr>
<td>Stability:</td>
<td>Room Temperature: 14 day(s) Refrigerated: 14 day(s) Frozen (-20 °C): 3 month(s)</td>
</tr>
</tbody>
</table>

## 8224SP  Barbiturates Panel, Serum/Plasma (Forensic)

<table>
<thead>
<tr>
<th>Summary of Changes:</th>
<th>Specimen Requirements (Specimen Container) were changed. Specimen Requirements (Special Handling) were changed. Stability was changed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specimen Requirements:</td>
<td>3 mL Serum or Plasma</td>
</tr>
<tr>
<td>Transport Temperature:</td>
<td>Refrigerated</td>
</tr>
<tr>
<td>Specimen Container:</td>
<td>Plastic container (preservative-free)</td>
</tr>
<tr>
<td>Light Protection:</td>
<td>Not Required</td>
</tr>
<tr>
<td>Special Handling:</td>
<td>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.</td>
</tr>
<tr>
<td>Rejection Criteria:</td>
<td>Polymer gel separation tube (SST or PST).</td>
</tr>
<tr>
<td>Stability:</td>
<td>Room Temperature: 14 day(s) Refrigerated: 14 day(s) Frozen (-20 °C): 3 month(s)</td>
</tr>
</tbody>
</table>

## 8620SP  Barbiturates Panel, Serum/Plasma

<table>
<thead>
<tr>
<th>Summary of Changes:</th>
<th>Specimen Requirements (Specimen Container) were changed. Specimen Requirements (Special Handling) were changed. Stability was changed.</th>
</tr>
</thead>
</table>
Test Changes

Specimen Requirements: 2 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).
Stability:
Room Temperature: 14 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 3 month(s)

5942SP  Benzodiazepines Confirmation, Serum/Plasma (CSA)

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
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: Polymer gel separation tube (SST or PST).

5641SP  Benzodiazepines Confirmation, Serum/Plasma

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
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: Polymer gel separation tube (SST or PST).

9329SP  Benzodiazepines Panel, Serum/Plasma
Test Changes

Summary of Changes: Specimen Requirements (Specimen Container) were changed. 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: Polymer gel separation tube (SST or PST).

1080SP Chlordiazepoxide and Metabolite, Serum/Plasma

Summary of Changes: Specimen Requirements (Specimen Container) were changed. 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: Polymer gel separation tube (SST or PST).

1267SP Clobazam, 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: Polymer gel separation tube (SST or PST).
### Test Changes

**Stability:**
- Room Temperature: 14 day(s)
- Refrigerated: 14 day(s)
- Frozen (-20 °C): 2 month(s)

<table>
<thead>
<tr>
<th>Code</th>
<th>Test Description</th>
<th>Summary of Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5488SP</td>
<td>Clonazepam and Metabolite Confirmation, Serum/Plasma</td>
<td>Specimen Requirements (Specimen Container) were changed. Specimen Requirements (Special Handling) were changed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Specimen Requirements: 2 mL Serum or Plasma</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Transport Temperature: Refrigerated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Specimen Container: Plastic container (preservative-free)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Light Protection: Not Required</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Special Handling: Serum: Collect sample in Red top tube</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial</td>
</tr>
<tr>
<td></td>
<td></td>
<td>using approved guidelines.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rejection Criteria: Polymer gel separation tube (SST or PST).</td>
</tr>
<tr>
<td>9139SP</td>
<td>Clonazepam and Metabolite Screen, Serum/Plasma</td>
<td>Specimen Requirements (Specimen Container) were changed. Specimen Requirements (Special Handling) were changed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Specimen Requirements: 3 mL Serum or Plasma</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Transport Temperature: Refrigerated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Specimen Container: Plastic container (preservative-free)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Light Protection: Not Required</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Special Handling: Serum: Collect sample in Red top tube</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial</td>
</tr>
<tr>
<td></td>
<td></td>
<td>using approved guidelines.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rejection Criteria: Polymer gel separation tube (SST or PST).</td>
</tr>
<tr>
<td>1270SP</td>
<td>Clonazepam and Metabolite, Serum/Plasma</td>
<td>Specimen Requirements (Specimen Container) were changed. Specimen Requirements (Special Handling) were changed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Specimen Requirements: 3 mL Serum or Plasma</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Transport Temperature: Refrigerated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Specimen Container: Plastic container (preservative-free)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Light Protection: Not Required</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Special Handling: Serum: Collect sample in Red top tube</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial</td>
</tr>
<tr>
<td></td>
<td></td>
<td>using approved guidelines.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rejection Criteria: Polymer gel separation tube (SST or PST).</td>
</tr>
</tbody>
</table>
Test Changes

Specimen Requirements: 2 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).

1280SP  Clorazepate as Metabolite, 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: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 14 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 3 month(s)

1348FL  Creatinine (Vitreous), Fluid (Forensic)

Summary of Changes: Specimen Requirements 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

1502SP  Diazepam and Metabolites, Serum/Plasma (CSA)

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

Test Changes

<table>
<thead>
<tr>
<th>Specimen Requirements:</th>
<th>1 mL Serum or Plasma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport Temperature:</td>
<td>Refrigerated</td>
</tr>
<tr>
<td>Specimen Container:</td>
<td>Plastic container (preservative-free)</td>
</tr>
<tr>
<td>Light Protection:</td>
<td>Not Required</td>
</tr>
<tr>
<td>Special Handling:</td>
<td>Serum: Collect sample in Red top tube</td>
</tr>
<tr>
<td></td>
<td>Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.</td>
</tr>
<tr>
<td></td>
<td>Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.</td>
</tr>
<tr>
<td>Rejection Criteria:</td>
<td>Polymer gel separation tube (SST or PST).</td>
</tr>
</tbody>
</table>

#### 1501SP  Diazepam and Metabolites, Serum/Plasma

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

#### 1919FL  Electrolytes and Glucose Panel (Vitreous), Fluid (Forensic)

Summary of Changes: Specimen Requirements were changed.

#### 2136SP  Fosphenytoin, Serum/Plasma

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

<table>
<thead>
<tr>
<th>Specimen Requirements</th>
<th>Transport Temperature</th>
<th>Specimen Container</th>
<th>Light Protection</th>
<th>Special Handling</th>
<th>Rejection Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 mL Serum or Plasma</td>
<td>Refrigerated</td>
<td>Plastic container (preservative-free)</td>
<td>Not Required</td>
<td>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.</td>
<td>Polymer gel separation tube (SST or PST).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Stability: Room Temperature: 1 month(s) Refrigerated: 1 month(s) Frozen (-20 °C): 3 month(s)</td>
</tr>
</tbody>
</table>

2198SP  Halazepam as Metabolite, Serum/Plasma

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

<table>
<thead>
<tr>
<th>Specimen Requirements</th>
<th>Transport Temperature</th>
<th>Specimen Container</th>
<th>Light Protection</th>
<th>Special Handling</th>
<th>Rejection Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mL Serum or Plasma</td>
<td>Refrigerated</td>
<td>Plastic container (preservative-free)</td>
<td>Not Required</td>
<td>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.</td>
<td>Polymer gel separation tube (SST or PST).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Stability: Room Temperature: 14 day(s) Refrigerated: 14 day(s) Frozen (-20 °C): 3 month(s)</td>
</tr>
</tbody>
</table>

2527SP  Lacosamide, Serum/Plasma

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

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: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 15 day(s)
Refrigerated: 15 day(s)
Frozen (-20 °C): 7 month(s)

2505SP  Levetiracetam, 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: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 14 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 3 month(s)

2630SP  Mephobarbital and Metabolite, Serum/Plasma

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

**Specimen Requirements:** 2 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).  
**Stability:**  
- Room Temperature: 14 day(s)  
- Refrigerated: 14 day(s)  
- Frozen (-20 °C): 3 month(s)

### 5644B Methsuximide as Metabolite Confirmation, Blood

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

**Specimen Requirements:** 2 mL Blood  
**Transport Temperature:** Refrigerated  
**Specimen Container:** Lavender top tube (EDTA)  
**Light Protection:** Not Required  
**Special Handling:** None  
**Rejection Criteria:** None

### 5644SP Methsuximide as Metabolite Confirmation, Serum/Plasma

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

**Specimen Requirements:** 2 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).

### 5644U Methsuximide as Metabolite Confirmation, Urine

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

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

9336B  Methsuximide as Metabolite Screen, Blood

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

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

9336SP  Methsuximide as Metabolite Screen, Serum/Plasma

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

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).

9336U  Methsuximide as Metabolite Screen, Urine

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

Specimen Requirements: 3 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None

3216SP  Nordiazepam and Metabolite, Serum/Plasma

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
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: Polymer gel separation tube (SST or PST).

5544SP  Phenobarbital Confirmation, Serum/Plasma

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

Specimen Requirements: 2 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).
Stability:
Room Temperature: 14 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 3 month(s)

9416SP  Phenobarbital Screen, Serum/Plasma
Test Changes

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

<table>
<thead>
<tr>
<th>Specimen Requirements: 3 mL Serum or Plasma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport Temperature: Refrigerated</td>
</tr>
<tr>
<td>Specimen Container: Plastic container (preservative-free)</td>
</tr>
<tr>
<td>Light Protection: Not Required</td>
</tr>
<tr>
<td>Special Handling: Serum: Collect sample in Red top tube</td>
</tr>
<tr>
<td>Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.</td>
</tr>
<tr>
<td>Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.</td>
</tr>
<tr>
<td>Rejection Criteria: Polymer gel separation tube (SST or PST).</td>
</tr>
<tr>
<td>Stability: Room Temperature: 14 day(s)</td>
</tr>
<tr>
<td>Refrigerated: 14 day(s)</td>
</tr>
<tr>
<td>Frozen (-20 °C): 3 month(s)</td>
</tr>
</tbody>
</table>

3580SP  Phenobarbital, Serum/Plasma

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

<table>
<thead>
<tr>
<th>Specimen Requirements: 2 mL Serum or Plasma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport Temperature: Refrigerated</td>
</tr>
<tr>
<td>Specimen Container: Plastic container (preservative-free)</td>
</tr>
<tr>
<td>Light Protection: Not Required</td>
</tr>
<tr>
<td>Special Handling: Serum: Collect sample in Red top tube</td>
</tr>
<tr>
<td>Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.</td>
</tr>
<tr>
<td>Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.</td>
</tr>
<tr>
<td>Rejection Criteria: Polymer gel separation tube (SST or PST).</td>
</tr>
<tr>
<td>Stability: Room Temperature: 14 day(s)</td>
</tr>
<tr>
<td>Refrigerated: 14 day(s)</td>
</tr>
<tr>
<td>Frozen (-20 °C): 3 month(s)</td>
</tr>
</tbody>
</table>

8633SP  Phenobarbital, Serum/Plasma

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

Specimen Requirements: 2 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).
Stability: Room Temperature: 14 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 3 month(s)

5673SP Phenytoin Confirmation, Serum/Plasma
Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.
Stability was changed.

Specimen Requirements: 2 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).
Stability: Room Temperature: 1 month(s)
Refrigerated: 1 month(s)
Frozen (-20 °C): 3 month(s)

9239SP Phenytoin Screen, Serum/Plasma
Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.
Stability was changed.
Test Changes

**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).
Stability: Room Temperature: 1 month(s)
Refrigerated: 1 month(s)
Frozen (-20 °C): 3 month(s)

3743SP  **Phenytoin, Serum/Plasma**

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

**Specimen Requirements:** 2 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).
Stability: Room Temperature: 1 month(s)
Refrigerated: 1 month(s)
Frozen (-20 °C): 3 month(s)

3900SP  **Primidone, Phenobarbital and PEMA, Serum/Plasma**

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

Specimen Requirements: 2 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).

3901SP Primidone, 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: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 14 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 3 month(s)

90003SP Therapeutic and Abused Drugs with Alcohol Screen, Serum/Plasma (CSA)

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

Specimen Requirements: 10 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA), Plastic container (preservative-free)
Light Protection: Yes
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube. Collect sample using alcohol free skin preparation. Peak serum levels are recommended when monitoring patients because the level in the blood drops so rapidly that many negative results are found at the trough. The peak occurs at 40 to 90 minutes post dose.
Rejection Criteria: Not received Light Protected. Polymer gel separation tube (SST or PST).
Test Changes

4479SP  Tiagabine, 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.
                 Draw Sample prior to dosing (trough). Promptly centrifuge and separate Serum into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 7 day(s)
           Refrigerated: 7 day(s)
           Frozen (-20 °C): 3 month(s)

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

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

Specimen Requirements: 4 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).
Stability: Room Temperature: 14 day(s)
           Refrigerated: 14 day(s)
           Frozen (-20 °C): 14 day(s)

4761SP  Valproic Acid, Free, Serum/Plasma

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

<table>
<thead>
<tr>
<th>Specimen Requirements</th>
<th>3 mL Serum or Plasma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport Temperature</td>
<td>Refrigerated</td>
</tr>
<tr>
<td>Specimen Container</td>
<td>Plastic container (preservative-free)</td>
</tr>
<tr>
<td>Light Protection</td>
<td>Not Required</td>
</tr>
</tbody>
</table>
| 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). |
| Stability             | Room Temperature: 14 day(s)  
                        | Refrigerated: 14 day(s)  
                        | Frozen (-20 °C): 3 month(s) |

**4774SP Vigabatrin, Serum/Plasma**

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

<table>
<thead>
<tr>
<th>Specimen Requirements</th>
<th>1 mL Serum or Plasma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport Temperature</td>
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</tr>
<tr>
<td>Specimen Container</td>
<td>Plastic container (preservative-free)</td>
</tr>
<tr>
<td>Light Protection</td>
<td>Not Required</td>
</tr>
</tbody>
</table>
| 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). |
| Stability             | Room Temperature: 7 day(s)  
                        | Refrigerated: 7 day(s)  
                        | Frozen (-20 °C): 3 month(s) |

**4884SP Zonisamide, Serum/Plasma**

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

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: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 15 day(s)
Refrigerated: 15 day(s)
Frozen (-20 °C): 12 month(s)