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, May 04, 2020

**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>Method / CPT Code</th>
<th>Specimen Req.</th>
<th>Stability</th>
<th>Scope</th>
<th>Units</th>
<th>Reference Comments</th>
<th>Discontinue</th>
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<tbody>
<tr>
<td>4065B</td>
<td>Quaternary Ammonium Neuromuscular Blocking Agents, Blood</td>
<td></td>
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<tr>
<td>4065SP</td>
<td>Quaternary Ammonium Neuromuscular Blocking Agents, Serum/Plasma</td>
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<tr>
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<td>Quaternary Ammonium Neuromuscular Blocking Agents, Tissue</td>
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<td>4065U</td>
<td>Quaternary Ammonium Neuromuscular Blocking Agents, Urine</td>
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<tr>
<td>52122B</td>
<td>Thiopental and Metabolite Confirmation, Blood</td>
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<tr>
<td>5600B</td>
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<tr>
<td>9419B</td>
<td>Thiopental and Metabolite Screen, Blood</td>
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<tr>
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<tr>
<td>4450B</td>
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<tr>
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</table>
Test Changes

52122B  Thiopental and Metabolite Confirmation, Blood

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

Specimen Requirements:
- Transport Temperature: Frozen
- Specimen Container: Lavender top tube (EDTA)
- Light Protection: Not Required
- Special Handling: Freeze at -70 C upon collection and ship on dry ice. Ship overnight Monday through Thursday, to arrive at NMS Labs the following day.
- Rejection Criteria: None

Stability:
- Room Temperature: Undetermined
- Refrigerated: Undetermined
- Frozen (-20 °C): 30 day(s)
- Frozen (-70 °C): 30 day(s)

Scope of Analysis:
Method (CPT Code): GC (80345): Thiopental, Pentobarbital

<table>
<thead>
<tr>
<th>Compound Name</th>
<th>Units</th>
<th>Reference Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiopental</td>
<td>mcg/mL</td>
<td>Hypnotic range: 1 - 5 mcg/mL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Therapeutic coma: 30 - 100 mcg/mL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Anesthesia: 7 - 130 mcg/mL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Thiopental is known to have limited stability in biological specimens which may be concentration and storage condition dependent. Negative or lower than expected results should be interpreted with caution.</td>
</tr>
</tbody>
</table>

5600B  Thiopental and Metabolite Confirmation, Blood

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

Specimen Requirements:
- Transport Temperature: Frozen
- Specimen Container: Lavender top tube (EDTA)
- Light Protection: Not Required
- Special Handling: Freeze at -70 C upon collection and ship on dry ice. Ship overnight Monday through Thursday, to arrive at NMS Labs the following day.
- Rejection Criteria: None
Test Changes

Stability:
- Room Temperature: Undetermined
- Refrigerated: Undetermined
- Frozen (-20 °C): 30 day(s)
- Frozen (-70 °C): 30 day(s)

Scope of Analysis: GC/MS (80345): Thiopental, Pentobarbital

### Compound Name | Units | Reference Comment
--- | --- | ---
Thiopental | mcg/mL | Immediately following a single 400 mg I.V. dose: Up to 28 mcg/mL
Thiopental is known to have limited stability in biological specimens which may be concentration and storage condition dependent. Negative or lower than expected results should be interpreted with caution.

52122SP Thiopental and Metabolite Confirmation, Serum/Plasma

Summary of Changes: Specimen Requirements (Transport Temperature) were changed. Specimen Requirements (Special Handling) were changed. Stability was changed. Reference Comment was changed.

### Specimen Requirements: 2 mL Serum or Plasma
- Transport Temperature: Frozen
- 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. Freeze at -70 °C upon collection and ship on dry ice. Ship overnight Monday through Thursday, to arrive at NMS Labs the following day.
- Rejection Criteria: Received Refrigerated. Polymer gel separation tube (SST or PST).

### Stability:
- Room Temperature: Undetermined
- Refrigerated: Not Stable
- Frozen (-20 °C): 2 day(s)
- Frozen (-70 °C): 30 day(s)

### Scope of Analysis: GC (80345): Thiopental, Pentobarbital

### Compound Name | Units | Reference Comment
--- | --- | ---
Thiopental | mcg/mL | Hypnotic range: 1 - 5 mcg/mL
Therapeutic coma: 30 - 100 mcg/mL
Anesthesia: 7 - 130 mcg/mL
Thiopental is known to have limited stability in biological specimens which may be concentration and storage condition dependent. Negative or lower than expected results should be interpreted with caution.

5600SP Thiopental and Metabolite Confirmation, Serum/Plasma
Test Changes

Summary of Changes:
Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Special Handling) were changed.
Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.
Reference Comment was changed.

Specimen Requirements:
Transport Temperature: Frozen
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. Freeze at -70 °C upon collection and ship on dry ice. Ship overnight Monday through Thursday, to arrive at NMS Labs the following day.
Rejection Criteria: Received Refrigerated. Polymer gel separation tube (SST or PST).
Stability:
Room Temperature: Undetermined
Refrigerated: Not Stable
Frozen (-20 °C): 2 day(s)
Frozen (-70 °C): 30 day(s)
Scope of Analysis:
Method (CPT Code): GC/MS (80345): Thiopental, Pentobarbital

<table>
<thead>
<tr>
<th>Compound Name</th>
<th>Units</th>
<th>Reference Comment</th>
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</thead>
<tbody>
<tr>
<td>Thiopental</td>
<td>mcg/mL</td>
<td>Immediately following a single 400 mg I.V. dose: Up to 28 mcg/mL</td>
</tr>
<tr>
<td></td>
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<td>Thiopental is known to have limited stability in biological specimens which may be concentration and storage condition dependent. Negative or lower than expected results should be interpreted with caution.</td>
</tr>
</tbody>
</table>

9419B Thiopental and Metabolite Screen, Blood

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

Specimen Requirements:
Transport Temperature: Frozen
Specimen Container: Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Freeze at -70 °C upon collection and ship on dry ice. Ship overnight Monday through Thursday, to arrive at NMS Labs the following day.
Rejection Criteria: None
Test Changes

Stability:
- Room Temperature: Undetermined
- Refrigerated: Undetermined
- Frozen (-20 °C): 30 day(s)
- Frozen (-70 °C): 30 day(s)

Scope of Analysis: GC (80307): Thiopental, Pentobarbital

<table>
<thead>
<tr>
<th>Compound Name</th>
<th>Units</th>
<th>Reference Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiopental</td>
<td>mcg/mL</td>
<td>Immediately following a single 400 mg I.V. dose: Up to 28 mcg/mL. Thiopental is known to have limited stability in biological specimens which may be concentration and storage condition dependent. Negative or lower than expected results should be interpreted with caution.</td>
</tr>
</tbody>
</table>

9419SP  Thiopental and Metabolite Screen, Serum/Plasma

Summary of Changes:
- Specimen Requirements (Transport Temperature) were changed.
- Specimen Requirements (Special Handling) were changed.
- Specimen Requirements (Rejection Criteria) were changed.
- Stability was changed.
- Reference Comment was changed.

<table>
<thead>
<tr>
<th>Specimen Requirements: 6 mL Serum or Plasma</th>
<th>Transport Temperature: Frozen</th>
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</thead>
<tbody>
<tr>
<td>Specimen Container: Plastic container (preservative-free)</td>
<td>Light Protection: Not Required</td>
</tr>
<tr>
<td>Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines. Freeze at -70 °C upon collection and ship on dry ice. Ship overnight Monday through Thursday, to arrive at NMS Labs the following day.</td>
<td>Rejection Criteria: Received Refrigerated. Polymer gel separation tube (SST or PST).</td>
</tr>
<tr>
<td>Stability: Room Temperature: Undetermined Refrigerated: Not Stable Frozen (-20 °C): 2 day(s) Frozen (-70 °C): 30 day(s)</td>
<td>Scope of Analysis: GC (80307): Thiopental, Pentobarbital</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compound Name</th>
<th>Units</th>
<th>Reference Comment</th>
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<tbody>
<tr>
<td>Thiopental</td>
<td>mcg/mL</td>
<td>Immediately following a single 400 mg I.V. dose: Up to 28 mcg/mL. Thiopental is known to have limited stability in biological specimens which may be concentration and storage condition dependent. Negative or lower than expected results should be interpreted with caution.</td>
</tr>
</tbody>
</table>

4450B  Thiopental and Metabolite, Blood

NMS Labs
200 Welsh Rd.
Horsham, PA 19044-2208
nms@nmslabs.com
Test Changes

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

Specimen Requirements: 2 mL Blood
Transport Temperature: Frozen
Specimen Container: Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Freeze at -70 C upon collection and ship on dry ice. Ship overnight Monday through Thursday, to arrive at NMS Labs the following day.
Rejection Criteria: None
Stability: Room Temperature: Undetermined
Refrigerated: Undetermined
Frozen (-20 °C): 30 day(s)
Frozen (-70 °C): 30 day(s)
Scope of Analysis: GC (80345): Thiopental, Pentobarbital
Method (CPT Code)

<table>
<thead>
<tr>
<th>Compound Name</th>
<th>Units</th>
<th>Reference Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiopental</td>
<td>mcg/mL</td>
<td>Hypnotic range: 1 - 5 mcg/mL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Therapeutic coma: 30 - 100 mcg/mL</td>
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<td></td>
<td>Anesthesia: 7 - 130 mcg/mL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Thiopental is known to have limited stability in biological specimens which may be concentration and storage condition dependent. Negative or lower than expected results should be interpreted with caution.</td>
</tr>
</tbody>
</table>

8636B Thiopental and Metabolite, Blood

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

Specimen Requirements: 2 mL Blood
Transport Temperature: Frozen
Specimen Container: Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Freeze at -70 C upon collection and ship on dry ice. Ship overnight Monday through Thursday, to arrive at NMS Labs the following day.
Rejection Criteria: None
Test Changes

Stability:
- Room Temperature: Undetermined
- Refrigerated: Undetermined
- Frozen (-20 °C): 30 day(s)
- Frozen (-70 °C): 30 day(s)

Scope of Analysis:
GC & GC/MS (80345): Thiopental, Pentobarbital

<table>
<thead>
<tr>
<th>Compound Name</th>
<th>Units</th>
<th>Reference Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiopental</td>
<td>mcg/mL</td>
<td>Immediately following a single 400 mg I.V. dose: Up to 28 mcg/mL. Thiopental is known to have limited stability in biological specimens which may be concentration and storage condition dependent. Negative or lower than expected results should be interpreted with caution.</td>
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</table>

4450SP  Thiopental and Metabolite, Serum/Plasma

Summary of Changes:
- Specimen Requirements (Transport Temperature) were changed.
- Specimen Requirements (Special Handling) were changed.
- Specimen Requirements (Rejection Criteria) were changed.
- Stability was changed.
- Reference Comment was changed.

Specimen Requirements:
- Transport Temperature: Frozen
- 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. Freeze at -70 °C upon collection and ship on dry ice. Ship overnight Monday through Thursday, to arrive at NMS Labs the following day.
- Rejection Criteria: Received Refrigerated. Polymer gel separation tube (SST or PST).

Stability:
- Room Temperature: Undetermined
- Refrigerated: Not Stable
- Frozen (-20 °C): 2 day(s)
- Frozen (-70 °C): 30 day(s)

Scope of Analysis:
GC (80345): Thiopental, Pentobarbital

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<thead>
<tr>
<th>Compound Name</th>
<th>Units</th>
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</table>
| Thiopental    | mcg/mL| Hypnotic range: 1 - 5 mcg/mL
Therapeutic coma: 30 - 100 mcg/mL
Anesthesia: 7 - 130 mcg/mL
Thiopental is known to have limited stability in biological specimens which may be concentration and storage condition dependent. Negative or lower than expected results should be interpreted with caution. |
Test Changes

8636SP  Thiopental and Metabolite, Serum/Plasma

Summary of Changes:
Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Special Handling) were changed.
Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.
Reference Comment was changed.

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Frozen
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. Freeze at -70 °C upon collection and ship on dry ice. Ship overnight Monday through Thursday, to arrive at NMS Labs the following day.
Rejection Criteria: Received Refrigerated. Polymer gel separation tube (SST or PST).
Stability: Room Temperature: Undetermined
Refrigerated: Not Stable
Frozen (-20 °C): 2 day(s)
Frozen (-70 °C): 30 day(s)
Scope of Analysis: GC & GC/MS (80345): Thiopental, Pentobarbital

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## Discontinued Tests

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<tr>
<th>Test Code</th>
<th>Test Name</th>
<th>Alternative Test</th>
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<tbody>
<tr>
<td>4065B</td>
<td>Quaternary Ammonium Neuromuscular Blocking</td>
<td>9065B - Quaternary Ammonium Neuromuscular Blocking Agents Screen, Blood</td>
</tr>
<tr>
<td></td>
<td>Agents, Blood</td>
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<tr>
<td>4065SP</td>
<td>Quaternary Ammonium Neuromuscular Blocking</td>
<td>9065SP - Quaternary Ammonium Neuromuscular Blocking Agents Screen, Blood</td>
</tr>
<tr>
<td></td>
<td>Agents, Serum/Plasma</td>
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</tr>
<tr>
<td>4065TI</td>
<td>Quaternary Ammonium Neuromuscular Blocking</td>
<td>9065TI - Quaternary Ammonium Neuromuscular Blocking Agents Screen,</td>
</tr>
<tr>
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<td>Agents, Tissue</td>
<td>Tissue</td>
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<tr>
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<td>Quaternary Ammonium Neuromuscular Blocking</td>
<td>9065U - Quaternary Ammonium Neuromuscular Blocking Agents Screen,</td>
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<td>Urine</td>
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