



March 19, 2009

**UPDATED: June 5, 2009**

In March, 2009, NMS Labs provided communication regarding important changes to our service menu **effective July 13, 2009**. This notice is to inform you of subsequent modifications to those requirements for select tests. Detailed below are the modifications to the July 13, 2009 database letter.

| <b>Type of Change</b> | <b>Explanation</b>   |
|-----------------------|--|
| New Tests             | Tests recently added to the NMS Labs test menu.  |
| Test Changes          | Tests that have had changes to their method/CPT code, units of measurement, scope of analysis or specimen requirements.<br><br><b>Updated: Norfentanyl was removed from 9176U and 9181U.</b> |
| Discontinued Tests    | Tests being discontinued with alternate testing suggestions.   |
| Reference Comments    | Tests that have had reference comment changes.   |

A revised packet of information is enclosed for you to update your computer systems/records. These changes are important to ensure standardization of our mutual laboratory database and go into effect on **July 13, 2009**.

We apologize for this inconvenience. If you have any questions about the information contained in this packet, 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.

Sincerely,

NMS Labs

**Database Changes - Summary**

| Test Code | Test Name  | New Test | Method/<br>CPT code | Units | Scope | Specimen Reqs | Discontinued | Reference Comment | Misc. |
|-----------|--|----------|---------------------|-------|-------|---------------|--------------|-------------------|-------|
| 0210SP    | Allobarbitol, Serum/Plasma                       |          |                     |       |       |               |              | .                 |       |
| 0320B     | Amobarbitol, Blood                               |          |                     |       |       |               |              | .                 |       |
| 0320SP    | Amobarbitol, Serum/Plasma                        |          |                     |       |       |               |              | .                 |       |
| 0320U     | Amobarbitol, Urine                               |          |                     |       |       |               |              | .                 |       |
| 0405B     | Anticonvulsants Panel, Blood                     |          |                     |       |       |               |              | .                 |       |
| 0405SP    | Anticonvulsants Panel, Serum/Plasma              |          |                     |       |       |               |              | .                 |       |
| 0405U     | Anticonvulsants Panel, Urine                     |          |                     |       |       |               |              | .                 |       |
| 0450SP    | Aprobarbitol, Serum/Plasma                       |          |                     |       |       |               |              | .                 |       |
| 0450U     | Aprobarbitol, Urine                              |          |                     |       |       |               |              | .                 |       |
| 0500B     | Barbitol, Blood                                  |          |                     |       |       |               |              | .                 |       |
| 0500SP    | Barbitol, Serum/Plasma                           |          |                     |       |       |               |              | .                 |       |
| 0500U     | Barbitol, Urine                                  |          |                     |       |       |               |              | .                 |       |
| 0687SP    | Bismuth, Serum/Plasma (CSA)                      |          |                     |       |       |               | .            |                   |       |
| 0810B     | Butabarbitol, Blood                              |          |                     |       |       |               |              | .                 |       |
| 0810SP    | Butabarbitol, Serum/Plasma                       |          |                     |       |       |               |              | .                 |       |
| 0810U     | Butabarbitol, Urine                              |          |                     |       |       |               |              | .                 |       |
| 0830B     | Butalbital, Blood                                |          |                     |       |       |               |              | .                 |       |
| 0830SP    | Butalbital, Serum/Plasma                         |          |                     |       |       |               |              | .                 |       |
| 0830U     | Butalbital, Urine                                |          |                     |       |       |               |              | .                 |       |
| 0976SP    | Carbamazepine and Metabolite, Serum/Plasma (CSA) |          |                     |       |       |               | .            |                   |       |
| 1019B     | Carbital Profile, Blood                          |          |                     |       |       |               |              | .                 |       |
| 1019SP    | Carbital Profile, Serum/Plasma                   |          |                     |       |       |               |              | .                 |       |
| 1019U     | Carbital Profile, Urine                          |          |                     |       |       |               |              | .                 |       |
| 1269SP    | Clobazam, Serum/Plasma (CSA)                     |          |                     |       |       |               | .            |                   |       |
| 1271SP    | Clonazepam and Metabolite, Serum/Plasma (CSA)    |          |                     |       |       |               | .            |                   |       |
| 1491B     | Desvenlafaxine, Blood                            | .        |                     |       |       |               |              |                   |       |
| 1491FL    | Desvenlafaxine, Fluid                            | .        |                     |       |       |               |              |                   |       |
| 1491SP    | Desvenlafaxine, Serum/Plasma                     | .        |                     |       |       |               |              |                   |       |
| 1491TI    | Desvenlafaxine, Tissue                           | .        |                     |       |       |               |              |                   |       |
| 1491U     | Desvenlafaxine, Urine                            | .        |                     |       |       |               |              |                   |       |
| 1503SP    | Diazepam and Metabolites, Serum/Plasma (CSA)     |          |                     |       |       |               | .            |                   |       |
| 1808B     | Donnatal, Blood                                  |          |                     |       |       |               |              | .                 |       |
| 1808SP    | Donnatal, Serum/Plasma                           |          |                     |       |       |               |              | .                 |       |
| 1808U     | Donnatal, Urine                                  |          |                     |       |       |               |              | .                 |       |
| 1955U     | Esgic, Urine                                     |          |                     |       |       |               |              | .                 |       |
| 2002SP    | Ethosuximide, Serum/Plasma (CSA)                 |          |                     |       |       |               | .            |                   |       |
| 2070SP    | Felbamate, Serum/Plasma (CSA)                    |          |                     |       |       |               | .            |                   |       |
| 2075B     | Fioricet, Blood                                  |          |                     |       |       |               |              | .                 |       |
| 2075SP    | Fioricet, Serum/Plasma                           |          |                     |       |       |               |              | .                 |       |
| 2075U     | Fioricet, Urine                                  |          |                     |       |       |               |              | .                 |       |
| 2081U     | Ethyl Glucuronide, Urine                         |          |                     |       |       |               |              |                   | .     |
| 2087B     | Fiorinal, Blood                                  |          |                     |       |       |               |              | .                 |       |
| 2087SP    | Fiorinal, Serum/Plasma                           |          |                     |       |       |               |              | .                 |       |
| 2087U     | Fiorinal, Urine                                  |          |                     |       |       |               |              | .                 |       |
| 2138SP    | Fosphenytoin, Serum/Plasma (CSA)                 |          |                     |       |       |               | .            |                   |       |
| 2145SP    | Gabapentin, Serum/Plasma (CSA)                   |          |                     |       |       |               | .            |                   |       |
| 2239U     | Metals/Metalloids Panel, Urine (CSA)             |          |                     |       |       |               | .            |                   |       |
| 2298SP    | Hexobarbitol, Serum/Plasma                       |          |                     |       |       |               |              | .                 |       |

**NMS Labs**

3701 Welsh Road, Willow Grove, PA 19090

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|-----------|--|----------|------------------|-------|-------|---------------|--------------|-------------------|-------|
| 2487SP    | Lamotrigine, Serum/Plasma (CSA)                            |          |                  |       |       |               | •            |                   |       |
| 2507SP    | Levetiracetam, Serum/Plasma (CSA)                          |          |                  |       |       |               | •            |                   |       |
| 2515SP    | Lidocaine, Serum/Plasma (CSA)                              |          |                  |       |       |               | •            |                   |       |
| 2584B     | Methylenedioxyamphetamine, Blood                           |          |                  |       | •     |               |              |                   |       |
| 2584SP    | Methylenedioxyamphetamine, Serum/Plasma                    |          |                  |       | •     |               |              |                   |       |
| 2584U     | Methylenedioxyamphetamine, Urine                           |          |                  |       | •     |               |              |                   |       |
| 2585B     | Methylenedioxymethamphetamine and Metabolite, Blood        |          |                  |       | •     |               |              |                   |       |
| 2585FL    | Methylenedioxymethamphetamine and Metabolite, Fluid        |          |                  |       | •     |               |              |                   |       |
| 2585SP    | Methylenedioxymethamphetamine and Metabolite, Serum/Plasma |          |                  |       | •     |               |              |                   |       |
| 2585TI    | Methylenedioxymethamphetamine and Metabolite, Tissue       |          |                  |       | •     |               |              |                   |       |
| 2585U     | Methylenedioxymethamphetamine and Metabolite, Urine        |          |                  |       | •     |               |              |                   |       |
| 2630B     | Mephobarbital and Metabolite, Blood                        |          |                  |       |       |               |              | •                 |       |
| 2630SP    | Mephobarbital and Metabolite, Serum/Plasma                 |          |                  |       |       |               |              | •                 |       |
| 2630U     | Mephobarbital and Metabolite, Urine                        |          |                  |       |       |               |              | •                 |       |
| 2860B     | Metharbital and Metabolite, Blood                          |          |                  |       |       |               |              | •                 |       |
| 2860SP    | Metharbital and Metabolite, Serum/Plasma                   |          |                  |       |       |               |              | •                 |       |
| 2860U     | Metharbital and Metabolite, Urine                          |          |                  |       |       |               |              | •                 |       |
| 2952SP    | Methsuximide as Metabolite, Serum/Plasma (CSA)             |          |                  |       |       |               | •            |                   |       |
| 3058SP    | Midazolam, Serum/Plasma (CSA)                              |          |                  |       |       |               | •            |                   |       |
| 3067R     | Minerals Panel 6, RBCs (CSA)                               |          |                  |       |       |               | •            |                   |       |
| 3267SP    | Oxcarbazepine as Metabolite, Serum/Plasma (CSA)            |          |                  |       |       |               | •            |                   |       |
| 3410B     | Pentobarbital, Blood                                       |          |                  |       |       |               |              | •                 |       |
| 3410SP    | Pentobarbital, Serum/Plasma                                |          |                  |       |       |               |              | •                 |       |
| 3410U     | Pentobarbital, Urine                                       |          |                  |       |       |               |              | •                 |       |
| 3580B     | Phenobarbital, Blood                                       |          |                  |       |       |               |              | •                 |       |
| 3580SP    | Phenobarbital, Serum/Plasma                                |          |                  |       |       |               |              | •                 |       |
| 3580U     | Phenobarbital, Urine                                       |          |                  |       |       |               |              | •                 |       |
| 3582SP    | Phenobarbital - Free/Bound, Serum/Plasma                   |          |                  |       |       |               |              | •                 |       |
| 3584SP    | Phenobarbital, Serum/Plasma                                |          |                  |       |       |               |              | •                 |       |
| 3747SP    | Phenytoin, Free/Bound, Serum/Plasma (CSA)                  |          |                  |       |       |               | •            |                   |       |
| 3797SP    | Pregabalin, Serum/Plasma (CSA)                             |          |                  |       |       |               | •            |                   |       |
| 3900B     | Primidone, Phenobarbital and PEMA, Blood                   |          |                  |       |       |               |              | •                 |       |
| 3900SP    | Primidone, Phenobarbital and PEMA, Serum/Plasma            |          |                  |       |       |               |              | •                 |       |
| 3900U     | Primidone, Phenobarbital and PEMA, Urine                   |          |                  |       |       |               |              | •                 |       |
| 3902SP    | Primidone and Metabolite, Serum/Plasma                     |          |                  |       |       |               |              | •                 |       |
| 4170B     | Secobarbital, Blood  |          |                  |       |       |               |              | •                 |       |

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|-----------|---|----------|-----------------|-------|-------|---------------|--------------|-------------------|-------|
| 4170SP    | Secobarbital, Serum/Plasma                                      |          |                 |       |       |               |              | .                 |       |
| 4170U     | Secobarbital, Urine   |          |                 |       |       |               |              | .                 |       |
| 4340B     | Tetrachloroethylene, Blood (CSA)                                |          |                 |       |       |               | .            |                   |       |
| 4340FL    | Tetrachloroethylene, Fluid (CSA)                                |          |                 |       |       |               | .            |                   |       |
| 4340TI    | Tetrachloroethylene, Tissue (CSA)                               |          |                 |       |       |               | .            |                   |       |
| 4450B     | Thiopental and Metabolite, Blood                                |          |                 |       |       |               |              | .                 |       |
| 4450SP    | Thiopental and Metabolite, Serum/Plasma                         |          |                 |       |       |               |              | .                 |       |
| 4450U     | Thiopental and Metabolite, Urine                                |          |                 |       |       |               |              | .                 |       |
| 4477SP    | Tiagabine, Serum/Plasma (CSA)                                   |          |                 |       |       |               | .            |                   |       |
| 4516FL    | Toluene, Fluid (Study)  |          |                 |       |       |               | .            |                   |       |
| 4516TI    | Toluene, Tissue (CSA)   |          |                 |       |       |               | .            |                   |       |
| 4517SP    | Topiramate, Serum/Plasma (CSA)                                  |          |                 |       |       |               | .            |                   |       |
| 4645B     | 1,1,1-Trichloroethane, Blood (CSA)                              |          |                 |       |       |               | .            |                   |       |
| 4645TI    | 1,1,1-Trichloroethane, Tissue (CSA)                             |          |                 |       |       |               | .            |                   |       |
| 4667SP    | Duloxetine, Serum (Study)                                       |          |                 |       |       |               | .            |                   |       |
| 4762SP    | Valproic Acid - Free and Total, Serum/Plasma (CSA)              |          |                 |       |       |               | .            |                   |       |
| 4886SP    | Zonisamide, Serum/Plasma (CSA)                                  |          |                 |       |       |               | .            |                   |       |
| 5220B     | Amphetamines Quantitation/Confirmation, Blood (Forensic)        |          |                 |       | .     |               |              |                   |       |
| 5220FL    | Amphetamines Quantitation/Confirmation, Fluid (Forensic)        |          |                 |       | .     |               |              |                   |       |
| 5220SP    | Amphetamines Quantitation/Confirmation, Serum/Plasma (Forensic) |          |                 |       | .     |               |              |                   |       |
| 5220TI    | Amphetamines Quantitation/Confirmation, Tissue (Forensic)       |          |                 |       | .     |               |              |                   |       |
| 5220U     | Amphetamines Quantitation/Confirmation, Urine (Forensic)        |          |                 |       | .     |               |              |                   |       |
| 5223U     | Amphetamines Quantitation/Confirmation, Urine (Forensic)        |          |                 |       | .     |               |              |                   |       |
| 5423B     | Heroin Metabolites Confirmation - Free (Unconjugated), Blood    |          |                 |       |       |               | .            |                   |       |
| 5423U     | Heroin Metabolites Confirmation - Free (Unconjugated), Urine    |          |                 |       |       |               | .            |                   |       |
| 5447B     | Amobarbital Confirmation, Blood                                 |          |                 |       |       |               |              | .                 |       |
| 5528SP    | Heptabarbital Confirmation, Serum/Plasma                        |          |                 |       |       |               |              | .                 |       |
| 5528U     | Heptabarbital Confirmation, Urine                               |          |                 |       |       |               |              | .                 |       |
| 5544B     | Phenobarbital Confirmation, Blood                               |          |                 |       |       |               |              | .                 |       |
| 5544SP    | Phenobarbital Confirmation, Serum/Plasma                        |          |                 |       |       |               |              | .                 |       |
| 5544U     | Phenobarbital Confirmation, Urine                               |          |                 |       |       |               |              | .                 |       |
| 5600B     | Thiopental and Metabolite Confirmation, Blood                   |          |                 |       |       |               |              | .                 |       |
| 5600SP    | Thiopental and Metabolite Confirmation, Serum/Plasma            |          |                 |       |       |               |              | .                 |       |
| 5651B     | Barbiturates Confirmation, Blood                                |          |                 |       |       |               |              | .                 |       |
| 5651SP    | Barbiturates Confirmation, Serum/Plasma                         |          |                 |       |       |               |              | .                 |       |
| 5651U     | Barbiturates Confirmation, Urine                                |          |                 |       |       |               |              | .                 |       |
| 5684B     | Amphetamines Confirmation, Blood                                |          |                 |       | .     |               |              |                   |       |
| 5684FL    | Amphetamines Confirmation, Fluid                                |          |                 |       | .     |               |              |                   |       |

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|-----------|---|----------|---------------------|-------|-------|---------------|--------------|-------------------|-------|
| 5684ME    | Amphetamines Confirmation, Meconium                                 |          |                     |       | .     |               |              |                   |       |
| 5684SP    | Amphetamines Confirmation, Serum/Plasma                             |          |                     |       | .     |               |              |                   |       |
| 5684ST    | Amphetamines Confirmation, Stool                                    |          |                     |       | .     |               |              |                   |       |
| 5684TI    | Amphetamines Confirmation, Tissue                                   |          |                     |       | .     |               |              |                   |       |
| 5684U     | Amphetamines Confirmation, Urine                                    |          |                     |       | .     |               |              |                   |       |
| 5696B     | Methylenedioxyamphetamine and Metabolite Confirmation, Blood        |          |                     |       | .     |               |              |                   |       |
| 5696FL    | Methylenedioxyamphetamine and Metabolite Confirmation, Fluid        |          |                     |       | .     |               |              |                   |       |
| 5696ME    | Methylenedioxyamphetamine and Metabolite Confirmation, Meconium     |          |                     |       | .     |               |              |                   |       |
| 5696SP    | Methylenedioxyamphetamine and Metabolite Confirmation, Serum/Plasma |          |                     |       | .     |               |              |                   |       |
| 5696U     | Methylenedioxyamphetamine and Metabolite Confirmation, Urine        |          |                     |       | .     |               |              |                   |       |
| 5703ME    | Amphetamines Confirmation, Meconium                                 |          |                     |       | .     |               |              |                   |       |
| 5903H     | Amphetamines Confirmation, Hair (Forensic)                          |          |                     |       | .     |               |              |                   |       |
| 5937U     | Amphetamines Confirmation, Urine (CSA)                              |          |                     |       | .     |               |              |                   |       |
| 6924H     | Amphetamines, Hair  |          |                     |       | .     |               |              |                   |       |
| 6927H     | Methylenedioxyamphetamine and Metabolite, Hair (Forensic)           |          |                     |       | .     |               |              |                   |       |
| 8215B     | Amphetamines Panel, Blood (Forensic)                                |          |                     |       | .     |               |              |                   |       |
| 8215SP    | Amphetamines Panel, Serum/Plasma (Forensic)                         |          |                     |       | .     |               |              |                   |       |
| 8215TI    | Amphetamines Panel, Tissue (Forensic)                               |          |                     |       | .     |               |              |                   |       |
| 8215U     | Amphetamines Panel, Urine (Forensic)                                |          |                     |       | .     |               |              |                   |       |
| 8224B     | Barbiturates Panel, Blood (Forensic)                                |          |                     |       |       |               |              | .                 |       |
| 8224SP    | Barbiturates Panel, Serum/Plasma (Forensic)                         |          |                     |       |       |               |              | .                 |       |
| 8224U     | Barbiturates Panel, Urine (Forensic)                                |          |                     |       |       |               |              | .                 |       |
| 8359B     | Methylenedioxyamphetamine, Blood (Forensic)                         |          |                     |       | .     |               |              |                   |       |
| 8360B     | Methylenedioxyamphetamine and Metabolite, Blood (Forensic)          |          |                     |       | .     |               |              |                   |       |
| 8360SP    | Methylenedioxyamphetamine and Metabolite, Serum/Plasma (Forensic)   |          |                     |       | .     | .             |              |                   |       |
| 8360U     | Methylenedioxyamphetamine and Metabolite, Urine (Forensic)          |          |                     |       | .     | .             |              |                   |       |
| 8600B     | Amphetamines Panel, Blood   |          |                     |       | .     |               |              |                   |       |
| 8600FL    | Amphetamines Panel, Fluid   |          |                     |       | .     |               |              |                   |       |
| 8600ME    | Amphetamines Panel, Meconium  |          |                     |       | .     |               |              |                   |       |
| 8600SP    | Amphetamines Panel, Serum/Plasma                                    |          |                     |       | .     |               |              |                   |       |
| 8600TI    | Amphetamines Panel, Tissue  |          |                     |       | .     |               |              |                   |       |
| 8600U     | Amphetamines Panel, Urine   |          |                     |       | .     |               |              |                   |       |
| 8620B     | Barbiturates Panel, Blood   |          |                     |       |       |               |              | .                 |       |
| 8620SP    | Barbiturates Panel, Serum/Plasma                                    |          |                     |       |       |               |              | .                 |       |
| 8620U     | Barbiturates Panel, Urine   |          |                     |       |       |               |              | .                 |       |
| 8622U     | Amobarbital, Urine  |          |                     |       |       |               |              | .                 |       |

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|-----------|---|----------|------------------|-------|-------|---------------|--------------|-------------------|-------|
| 8623U     | Aprobarbital, Urine   |          |                  |       |       |               |              | .                 |       |
| 8624SP    | Barbiturates Panel, Serum/Plasma (CSA)                            |          |                  |       |       |               | .            |                   |       |
| 8625SP    | Butabarbital, Serum/Plasma  |          |                  |       |       |               |              | .                 |       |
| 8626B     | Butalbital, Blood   |          |                  |       |       |               |              | .                 |       |
| 8626SP    | Butalbital, Serum/Plasma  |          |                  |       |       |               |              | .                 |       |
| 8626U     | Butalbital, Urine   |          |                  |       |       |               |              | .                 |       |
| 8632B     | Pentobarbital, Blood  |          |                  |       |       |               |              | .                 |       |
| 8632SP    | Pentobarbital, Serum/Plasma                                       |          |                  |       |       |               |              | .                 |       |
| 8632U     | Pentobarbital, Urine  |          |                  |       |       |               |              | .                 |       |
| 8633B     | Phenobarbital, Blood  |          |                  |       |       |               |              | .                 |       |
| 8633SP    | Phenobarbital, Serum/Plasma                                       |          |                  |       |       |               |              | .                 |       |
| 8633U     | Phenobarbital, Urine  |          |                  |       |       |               |              | .                 |       |
| 8634B     | Secobarbital, Blood   |          |                  |       |       |               |              | .                 |       |
| 8634SP    | Secobarbital, Serum/Plasma  |          |                  |       |       |               |              | .                 |       |
| 8634U     | Secobarbital, Urine   |          |                  |       |       |               |              | .                 |       |
| 8636B     | Thiopental and Metabolite, Blood                                  |          |                  |       |       |               |              | .                 |       |
| 8636SP    | Thiopental and Metabolite, Serum/Plasma                           |          |                  |       |       |               |              | .                 |       |
| 8636U     | Thiopental and Metabolite, Urine                                  |          |                  |       |       |               |              | .                 |       |
| 8760B     | Hallucinogens Profile, Blood (Forensic)                           |          |                  | .     | .     |               |              |                   |       |
| 8760SP    | Hallucinogens Profile, Serum/Plasma (Forensic)                    |          |                  | .     | .     |               |              |                   |       |
| 8760U     | Hallucinogens Profile, Urine (Forensic)                           |          |                  |       | .     |               |              |                   |       |
| 9176U     | Fentanyl Screen, Urine  |          | .                |       | .     |               |              |                   | .     |
| 9181U     | Fentanyl Screen, Urine (CSA)                                      |          | .                |       | .     |               |              |                   | .     |
| 9183SP    | Heptabarbital Screen, Serum/Plasma                                |          |                  |       |       |               |              | .                 |       |
| 9183U     | Heptabarbital Screen, Urine                                       |          |                  |       |       |               |              | .                 |       |
| 9293B     | Methylenedioxymethamphetamine and Metabolite Screen, Blood        |          |                  |       | .     | .             |              |                   |       |
| 9293FL    | Methylenedioxymethamphetamine and Metabolite Screen, Fluid        |          |                  |       | .     | .             |              |                   |       |
| 9293ME    | Methylenedioxymethamphetamine and Metabolite Screen, Meconium     |          |                  |       | .     |               |              |                   |       |
| 9293SP    | Methylenedioxymethamphetamine and Metabolite Screen, Serum/Plasma |          |                  |       | .     | .             |              |                   |       |
| 9293U     | Methylenedioxymethamphetamine and Metabolite Screen, Urine        |          |                  |       | .     |               |              |                   |       |
| 9331SP    | Benzodiazepines Panel, Serum/Plasma (CSA)                         |          |                  |       |       |               | .            |                   |       |
| 9344B     | Heroin Metabolites Screen, Blood                                  |          |                  |       |       |               | .            |                   |       |
| 9344U     | Heroin Metabolites Screen, Urine                                  |          |                  |       |       |               | .            |                   |       |
| 9406B     | Amobarbital Screen, Blood   |          |                  |       |       |               |              | .                 |       |
| 9416B     | Phenobarbital Screen, Blood                                       |          |                  |       |       |               |              | .                 |       |
| 9416SP    | Phenobarbital Screen, Serum/Plasma                                |          |                  |       |       |               |              | .                 |       |
| 9416U     | Phenobarbital Screen, Urine                                       |          |                  |       |       |               |              | .                 |       |
| 9419B     | Thiopental and Metabolite Screen, Blood                           |          |                  |       |       |               |              | .                 |       |
| 9419SP    | Thiopental and Metabolite Screen, Serum/Plasma                    |          |                  |       |       |               |              | .                 |       |

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Changes effective:  
July 13, 2009

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**NEW TESTS**

| Test Code     | Test Name   | Reporting Limit | Units | Method / CPT Code |
|---------------|---|-----------------|-------|-------------------|
| <b>1491B</b>  | <b>Desvenlafaxine, Blood</b>  |                 |       |                   |
|               | Scope of Analysis: Desvenlafaxine   | 20              | ng/mL | LC-MS/MS (83789)  |
|               | Reference Comment: Mean peak plasma concentrations +/- S.D., obtained at approximately 7.5 hours after dosing, were reported as follows:<br>75 mg (sustained release) oral dose: 135 +/- 54 ng/mL<br>100 mg (sustained release) oral dose: 238 +/- 45 ng/mL<br>150 mg (sustained release) oral dose: 284 +/- 83 ng/mL                               |                 |       |                   |
|               | Specimen Requirements: Specimen Requirements: 1 mL Blood<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |                 |       |                   |
|               | Stability: Room Temperature: 14 day(s)<br>Refrigerated: 14 day(s)<br>Frozen (-20 °C): 5 month(s)  |                 |       |                   |
| <b>1491FL</b> | <b>Desvenlafaxine, Fluid</b>  |                 |       |                   |
|               | Scope of Analysis: Desvenlafaxine   | 10              | ng/mL | LC-MS/MS (83789)  |
|               | Reference Comment: No reference data available.   |                 |       |                   |
|               | Specimen Requirements: Specimen Requirements: 2 mL Fluid<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |                 |       |                   |
|               | Stability: Room Temperature: Undetermined<br>Refrigerated: Undetermined<br>Frozen (-20 °C): Undetermined  |                 |       |                   |

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**NEW TESTS**

| Test Code     | Test Name  | Reporting Limit | Units | Method / CPT Code       |
|---------------|--|-----------------|-------|-------------------------|
| <b>1491SP</b> | <b>Desvenlafaxine, Serum/Plasma</b>  |                 |       |                         |
|               | Scope of Analysis: Desvenlafaxine  | 10              | ng/mL | LC-MS/MS (83789)        |
|               | Reference Comment: Mean peak plasma concentrations +/- S.D., obtained at approximately 7.5 hours after dosing, were reported as follows:<br>75 mg (sustained release) oral dose: 135 +/- 54 ng/mL<br>100 mg (sustained release) oral dose: 238 +/- 45 ng/mL<br>150 mg (sustained release) oral dose: 284 +/- 83 ng/mL  |                 |       |                         |
|               | Specimen Requirements: Specimen Requirements: 2 mL Serum or Plasma<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.<br>Rejection Criteria: Polymer gel separation tube (SST or PST). |                 |       |                         |
|               | Stability: Room Temperature: 14 day(s)<br>Refrigerated: 14 day(s)<br>Frozen (-20 °C): 5 month(s)   |                 |       |                         |
| <b>1491TI</b> | <b>Desvenlafaxine, Tissue</b>  |                 |       |                         |
|               | Scope of Analysis: Desvenlafaxine  | 50              | ng/g  | LC-MS/MS (80103, 83789) |
|               | Reference Comment: No reference data available.  |                 |       |                         |
|               | Specimen Requirements: Specimen Requirements: 10 g Tissue<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None   |                 |       |                         |
|               | Stability: Room Temperature: Undetermined<br>Refrigerated: Undetermined<br>Frozen (-20 °C): Undetermined   |                 |       |                         |



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## NEW TESTS

| Test Code | Test Name   | Reporting Limit | Units | Method / CPT Code |
|-----------|---|-----------------|-------|-------------------|
| 1491U     | <b>Desvenlafaxine, Urine</b>  |                 |       |                   |
|           | Scope of Analysis: Desvenlafaxine   | 10              | ng/mL | LC-MS/MS (83789)  |
|           | Reference Comment: Approximately 45% of an oral dose of desvenlafaxine is excreted in the urine as unchanged drug after 72 hours.   |                 |       |                   |
|           | Specimen Requirements: Specimen Requirements: 2 mL Urine<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |                 |       |                   |
|           | Stability: Room Temperature: 14 day(s)<br>Refrigerated: 14 day(s)<br>Frozen (-20 °C): 5 month(s)  |                 |       |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name  | Units   | Method / CPT Code                           |
|-----------|--|---|---|
| 6924H     | <p><b>Amphetamines, Hair</b></p> <p>Scope: Methamphetamine<br/>Amphetamine<br/>Benzphetamine<br/>Chlorphentermine<br/>Ephedrine / Pseudoephedrine<br/>Mephentermine<br/><b>MDA</b><br/><b>MDEA</b><br/><b>MDMA</b><br/>Phendimetrazine<br/>Phenmetrazine<br/>Phentermine<br/>Phenylpropanolamine / Norpseudoephedrine<br/>Hair Length</p> <p>Specimen Requirements: Specimen Requirements: 300 mg Hair<br/>Transport Temperature: Room Temperature<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: Collect a pencil-thick segment of hair. Bundle, cut at roots, wrap with twist tie at root end.<br/>Rejection Criteria: None</p> <p>Stability: Room Temperature: Undetermined<br/>Refrigerated: Undetermined<br/>Frozen (-20 °C): Undetermined</p> | <p>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g</p> | <p>ELISA &amp; GC/MS<br/>(80103, 82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylendioxyamphetamine, Methylendioxyethylamphetamine and Methylendioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>   |   |   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name   | Units  | Method / CPT Code       |
|-----------|---|--|-------------------------|
| 5684B     | <p><b>Amphetamines Confirmation, Blood</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 3 mL Blood<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: Received Room Temperature.</p> <p>Stability: Room Temperature: 2 day(s)<br/>Refrigerated: 16 day(s)<br/>Frozen (-20 °C): 16 day(s)</p> | <p>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL</p> | <p>LC-MS/MS (82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>   |  |                         |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name   | Units  | Method / CPT Code       |
|-----------|---|--|-------------------------|
| 5684FL    | <p><b>Amphetamines Confirmation, Fluid</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 1 mL Fluid<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: None</p> <p>Stability: Room Temperature: Undetermined<br/>Refrigerated: Undetermined<br/>Frozen (-20 °C): Undetermined</p> | <p>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL</p> | <p>LC-MS/MS (82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>   |  |                         |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name  | Units   | Method / CPT Code                  |
|-----------|--|---|------------------------------------|
| 5684ME    | <p><b>Amphetamines Confirmation, Meconium</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 5 g Meconium<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: Received Room Temperature.</p> <p>Stability: Room Temperature: 2 day(s)<br/>Refrigerated: 16 day(s)<br/>Frozen (-20 °C): 16 day(s)</p> | <p>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g</p> | <p>LC-MS/MS<br/>(80103, 80102)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>  |   |                                    |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name  | Units  | Method / CPT Code       |
|-----------|--|--|-------------------------|
| 5684SP    | <p><b>Amphetamines Confirmation, Serum/Plasma</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 1 mL Serum or Plasma<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.<br/>Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).</p> <p>Stability: Room Temperature: 2 day(s)<br/>Refrigerated: 16 day(s)<br/>Frozen (-20 °C): 16 day(s)</p> | <p>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL</p> | <p>LC-MS/MS (82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>  |  |                         |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name  | Units   | Method / CPT Code                  |
|-----------|--|---|------------------------------------|
| 5684ST    | <p><b>Amphetamines Confirmation, Stool</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 2 g Stool<br/>Transport Temperature: Frozen<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: None</p> <p>Stability: Room Temperature: Undetermined<br/>Refrigerated: Undetermined<br/>Frozen (-20 °C): Undetermined</p> | <p>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g</p> | <p>LC-MS/MS<br/>(80103, 82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>  |   |                                    |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name   | Units   | Method / CPT Code                  |
|-----------|---|---|------------------------------------|
| 5684TI    | <p><b>Amphetamines Confirmation, Tissue</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 10 g Tissue<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: None</p> <p>Stability: Room Temperature: Undetermined<br/>Refrigerated: Undetermined<br/>Frozen (-20 °C): Undetermined</p> | <p>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g</p> | <p>LC-MS/MS<br/>(80103, 82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>   |   |                                    |



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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name  | Units | Method / CPT Code |
|------------------------|--|-------|-------------------|
| 5684U                  | <b>Amphetamines Confirmation, Urine</b>  |       |                   |
|                        | Scope: Ephedrine   | ng/mL |                   |
|                        | Methylephedrine  | ng/mL |                   |
|                        | Pseudoephedrine  | ng/mL |                   |
|                        | Phenylpropanolamine  | ng/mL |                   |
|                        | Norpseudoephedrine   | ng/mL |                   |
|                        | Amphetamine  | ng/mL |                   |
|                        | Phentermine  | ng/mL | LC-MS/MS (82145)  |
|                        | Methamphetamine  | ng/mL |                   |
|                        | <b>MDA</b>   | ng/mL |                   |
|                        | <b>MDMA</b>  | ng/mL |                   |
|                        | <b>MDEA</b>  | ng/mL |                   |
|                        | Selegiline   | ng/mL |                   |
|                        | Phendimetrazine  | ng/mL |                   |
|                        | Phenmetrazine  | ng/mL |                   |
| Specimen Requirements: | Specimen Requirements: 1 mL Urine  |       |                   |
|                        | Transport Temperature: Refrigerated  |       |                   |
|                        | Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.   |       |                   |
|                        | Light Protection: Not Required   |       |                   |
|                        | Special Handling: None   |       |                   |
|                        | Rejection Criteria: Received Room Temperature.   |       |                   |
| Stability:             | Room Temperature: 2 day(s)   |       |                   |
|                        | Refrigerated: 16 day(s)  |       |                   |
|                        | Frozen (-20 °C): 16 day(s)   |       |                   |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added. |       |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name  | Units   | Method / CPT Code                  |
|-----------|--|---|------------------------------------|
| 5703ME    | <p><b>Amphetamines Confirmation, Meconium</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 5 g Meconium<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: Received Room Temperature.</p> <p>Stability: Room Temperature: 2 day(s)<br/>Refrigerated: 16 day(s)<br/>Frozen (-20 °C): 16 day(s)</p> | <p>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g</p> | <p>LC-MS/MS<br/>(80103, 80102)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>  |   |                                    |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name   | Units  | Method / CPT Code       |
|-----------|---|--|-------------------------|
| 5937U     | <p><b>Amphetamines Confirmation, Urine (CSA)</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 1 mL Urine<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: Received Room Temperature.</p> <p>Stability: Room Temperature: 2 day(s)<br/>Refrigerated: 16 day(s)<br/>Frozen (-20 °C): 16 day(s)</p> | <p>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL</p> | <p>LC-MS/MS (82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>   |  |                         |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name   | Units  | Method / CPT Code                        |
|-----------|---|--|--|
| 5903H     | <p><b>Amphetamines Confirmation, Hair</b></p> <p>Scope: Methamphetamine<br/>Amphetamine<br/>Benzphetamine<br/>Chlorphentermine<br/>Ephedrine / Pseudoephedrine<br/>Mephentermine<br/><b>MDA</b><br/><b>MDEA</b><br/><b>MDMA</b><br/>Phendimetrazine<br/>Phenmetrazine<br/>Phentermine<br/>Phenylpropanolamine / Norpseudoephedrine</p> <p>Specimen Requirements: Specimen Requirements: 300 mg Hair<br/>Transport Temperature: Room Temperature<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: Collect a pencil-thick segment of hair. Bundle, cut at roots, wrap with twist tie at root end.<br/>Rejection Criteria: None</p> <p>Stability: Room Temperature: Undetermined<br/>Refrigerated: Undetermined<br/>Frozen (-20 °C): Undetermined</p> | <p>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g</p> | <p>GC &amp; GC/MS<br/>(80103, 82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>   |  |  |

Changes effective:  
July 13, 2009

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name  | Units  | Method / CPT Code       |
|-----------|--|--|-------------------------|
| 8600B     | <p><b>Amphetamines Panel, Blood</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 1 mL Blood<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: Received Room Temperature.</p> <p>Stability: Room Temperature: 2 day(s)<br/>Refrigerated: 16 day(s)<br/>Frozen (-20 °C): 16 day(s)</p> | <p>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL</p> | <p>LC-MS/MS (82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>  |  |                         |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name  | Units | Method / CPT Code |
|------------------------|--|-------|-------------------|
| 8600FL                 | <b>Amphetamines Panel, Fluid</b>   |       |                   |
|                        | Scope:   |       |                   |
|                        | Ephedrine  | ng/mL |                   |
|                        | Methylephedrine  | ng/mL |                   |
|                        | Pseudoephedrine  | ng/mL |                   |
|                        | Phenylpropanolamine  | ng/mL |                   |
|                        | Norpseudoephedrine   | ng/mL |                   |
|                        | Amphetamine  | ng/mL |                   |
|                        | Phentermine  | ng/mL |                   |
|                        | Methamphetamine  | ng/mL | LC-MS/MS (82145)  |
|                        | <b>MDA</b>   | ng/mL |                   |
|                        | <b>MDMA</b>  | ng/mL |                   |
|                        | <b>MDEA</b>  | ng/mL |                   |
|                        | Selegiline   | ng/mL |                   |
|                        | Phendimetrazine  | ng/mL |                   |
|                        | Phenmetrazine  | ng/mL |                   |
| Specimen Requirements: | Specimen Requirements: 1 mL Fluid  |       |                   |
|                        | Transport Temperature: Refrigerated  |       |                   |
|                        | Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.   |       |                   |
|                        | Light Protection: Not Required   |       |                   |
|                        | Special Handling: None   |       |                   |
|                        | Rejection Criteria: None   |       |                   |
| Stability:             | Room Temperature: Undetermined   |       |                   |
|                        | Refrigerated: Undetermined   |       |                   |
|                        | Frozen (-20 °C): Undetermined  |       |                   |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added. |       |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name   | Units  | Method / CPT Code                  |
|-----------|---|--|------------------------------------|
| 8600ME    | <p><b>Amphetamines Panel, Meconium</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 5 g Meconium<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: Received Room Temperature.</p> <p>Stability: Room Temperature: 2 day(s)<br/>Refrigerated: 16 day(s)<br/>Frozen (-20 °C): 16 day(s)</p> | <p>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g</p> | <p>LC-MS/MS<br/>(80103, 80100)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>   |  |                                    |

**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name   | Units  | Method / CPT Code       |
|-----------|---|--|-------------------------|
| 8600SP    | <p><b>Amphetamines Panel, Serum/Plasma</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 1 mL Serum or Plasma<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.<br/>Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).</p> <p>Stability: Room Temperature: 2 day(s)<br/>Refrigerated: 16 day(s)<br/>Frozen (-20 °C): 16 day(s)</p> | <p>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL</p> | <p>LC-MS/MS (82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>   |  |                         |



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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name  | Units  | Method / CPT Code                  |
|-----------|--|--|------------------------------------|
| 8600TI    | <p><b>Amphetamines Panel, Tissue</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 10 g Tissue<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: None</p> <p>Stability: Room Temperature: Undetermined<br/>Refrigerated: Undetermined<br/>Frozen (-20 °C): Undetermined</p> | <p>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g<br/>ng/g</p> | <p>LC-MS/MS<br/>(80103, 82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>  |  |                                    |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name   | Units  | Method / CPT Code |
|-----------|---|--|-------------------|
| 8600U     | <b>Amphetamines Panel, Urine</b><br>Scope: Ephedrine<br>Methylephedrine<br>Pseudoephedrine<br>Phenylpropanolamine<br>Norpseudoephedrine<br>Amphetamine<br>Phentermine<br>Methamphetamine<br><b>MDA</b><br><b>MDMA</b><br><b>MDEA</b><br>Selegiline<br>Phendimetrazine<br>Phenmetrazine<br><br>Specimen Requirements: Specimen Requirements: 1 mL Urine<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: Received Room Temperature.<br><br>Stability: Room Temperature: 2 day(s)<br>Refrigerated: 16 day(s)<br>Frozen (-20 °C): 16 day(s) | ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL<br>ng/mL | LC-MS/MS (82145)  |
|           | Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.  |  |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name  | Units | Method / CPT Code |
|------------------------|--|-------|-------------------|
| 8215B                  | <b>Amphetamines Panel, Blood (Forensic)</b>  |       |                   |
|                        | Scope: Amphetamines  | ng/mL | ELISA (80101)     |
|                        | Ephedrine  | ng/mL |                   |
|                        | Methylephedrine  | ng/mL |                   |
|                        | Pseudoephedrine  | ng/mL |                   |
|                        | Phenylpropanolamine  | ng/mL |                   |
|                        | Norpseudoephedrine   | ng/mL |                   |
|                        | Amphetamine  | ng/mL |                   |
|                        | Phentermine  | ng/mL | LC-MS/MS (82145)  |
|                        | Methamphetamine  | ng/mL |                   |
|                        | <b>MDA</b>   | ng/mL |                   |
|                        | <b>MDMA</b>  | ng/mL |                   |
|                        | <b>MDEA</b>  | ng/mL |                   |
|                        | Selegiline   | ng/mL |                   |
|                        | Phendimetrazine  | ng/mL |                   |
| Phenmetrazine          | ng/mL  |       |                   |
| Specimen Requirements: | Specimen Requirements: 2 mL Blood<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: Received Room Temperature. |       |                   |
| Stability:             | Room Temperature: 2 day(s)<br>Refrigerated: 14 day(s)<br>Frozen (-20 °C): 16 day(s)  |       |                   |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA, MDEA and MDMA were added.   |       |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name  | Units | Method / CPT Code |
|-----------|--|-------|-------------------|
| 8215SP    | <b>Amphetamines Panel, Serum/Plasma (Forensic)</b>   |       |                   |
|           | Scope: Amphetamines  | ng/mL | ELISA (80101)     |
|           | Ephedrine  | ng/mL |                   |
|           | Methylephedrine  | ng/mL |                   |
|           | Pseudoephedrine  | ng/mL |                   |
|           | Phenylpropanolamine  | ng/mL |                   |
|           | Norpseudoephedrine   | ng/mL |                   |
|           | Amphetamine  | ng/mL |                   |
|           | Phentermine  | ng/mL | LC-MS/MS (82145)  |
|           | Methamphetamine  | ng/mL |                   |
|           | <b>MDA</b>   | ng/mL |                   |
|           | <b>MDMA</b>  | ng/mL |                   |
|           | <b>MDEA</b>  | ng/mL |                   |
|           | Selegiline   | ng/mL |                   |
|           | Phendimetrazine  | ng/mL |                   |
|           | Phenmetrazine  | ng/mL |                   |
|           | Specimen Requirements: Specimen Requirements: 2 mL Serum or Plasma   |       |                   |
|           | Transport Temperature: Refrigerated  |       |                   |
|           | Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.   |       |                   |
|           | Light Protection: Not Required   |       |                   |
|           | Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.   |       |                   |
|           | Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).   |       |                   |
|           | Stability: Room Temperature: 2 day(s)  |       |                   |
|           | Refrigerated: 14 day(s)  |       |                   |
|           | Frozen (-20 °C): 16 day(s)   |       |                   |
|           | Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added. |       |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name   | Units | Method / CPT Code          |
|------------------------|---|-------|----------------------------|
| 8215TI                 | <b>Amphetamines Panel, Tissue (Forensic)</b>  |       |                            |
|                        | Scope: Amphetamines   | ng/g  | ELISA<br>(80103, 80101)    |
|                        | Ephedrine   | ng/g  |                            |
|                        | Methylephedrine   | ng/g  |                            |
|                        | Pseudoephedrine   | ng/g  |                            |
|                        | Phenylpropanolamine   | ng/g  |                            |
|                        | Norpseudoephedrine  | ng/g  |                            |
|                        | Amphetamine   | ng/g  |                            |
|                        | Phentermine   | ng/g  | LC-MS/MS<br>(80103, 82145) |
|                        | Methamphetamine   | ng/g  |                            |
|                        | <b>MDA</b>  | ng/g  |                            |
|                        | <b>MDMA</b>   | ng/g  |                            |
|                        | <b>MDEA</b>   | ng/g  |                            |
|                        | Selegiline  | ng/g  |                            |
|                        | Phendimetrazine   | ng/g  |                            |
| Phenmetrazine          | ng/g  |       |                            |
| Specimen Requirements: | Specimen Requirements: 10 g Tissue<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |       |                            |
| Stability:             | Room Temperature: Undetermined<br>Refrigerated: Undetermined<br>Frozen (-20 °C): Undetermined   |       |                            |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA, MDEA and MDMA were added.  |       |                            |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name  | Units  | Method / CPT Code |
|------------------------|--|--|-------------------|
| 8215U                  | <b>Amphetamines Panel, Urine (Forensic)</b>  |  |                   |
|                        | Scope: Amphetamines  | ng/mL  | EIA (80101)       |
|                        | Ephedrine  | ng/mL  |                   |
|                        | Methylephedrine  | ng/mL  |                   |
|                        | Pseudoephedrine  | ng/mL  |                   |
|                        | Phenylpropanolamine  | ng/mL  |                   |
|                        | Norpseudoephedrine   | ng/mL  |                   |
|                        | Amphetamine  | ng/mL  |                   |
|                        | Phentermine  | ng/mL  | LC-MS/MS (82145)  |
|                        | Methamphetamine  | ng/mL  |                   |
|                        | <b>MDA</b>   | ng/mL  |                   |
|                        | <b>MDMA</b>  | ng/mL  |                   |
|                        | <b>MDEA</b>  | ng/mL  |                   |
|                        | Selegiline   | ng/mL  |                   |
|                        | Phendimetrazine  | ng/mL  |                   |
| Phenmetrazine          | ng/mL  |  |                   |
| Specimen Requirements: | Specimen Requirements: 2 mL Urine  |  |                   |
|                        | Transport Temperature: Refrigerated  |  |                   |
|                        | Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test. |  |                   |
|                        | Light Protection: Not Required   |  |                   |
|                        | Special Handling: None   |  |                   |
|                        | Rejection Criteria: Received Room Temperature.   |  |                   |
|                        | Stability:   | Room Temperature: 2 day(s)   |                   |
|                        |  | Refrigerated: 14 day(s)  |                   |
|                        |  | Frozen (-20 °C): 16 day(s)   |                   |
|                        | Summary of Changes:  | For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA, MDEA and MDMA were added. |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name   | Units  | Method / CPT Code       |
|-----------|---|--|-------------------------|
| 5220B     | <p><b>Amphetamines Quantitation/Confirmation, Blood (Forensic)</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 1 mL Blood<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: Received Room Temperature.</p> <p>Stability: Room Temperature: 2 day(s)<br/>Refrigerated: 16 day(s)<br/>Frozen (-20 °C): 16 day(s)</p> | <p>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL</p> | <p>LC-MS/MS (82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>   |  |                         |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name  | Units | Method / CPT Code |
|------------------------|--|-------|-------------------|
| 5220FL                 | <b>Amphetamines Quantitation/Confirmation, Fluid (Forensic)</b>  |       |                   |
|                        | Scope: Ephedrine   | ng/mL |                   |
|                        | Methylephedrine  | ng/mL |                   |
|                        | Pseudoephedrine  | ng/mL |                   |
|                        | Phenylpropanolamine  | ng/mL |                   |
|                        | Norpseudoephedrine   | ng/mL |                   |
|                        | Amphetamine  | ng/mL |                   |
|                        | Phentermine  | ng/mL | LC-MS/MS (82145)  |
|                        | Methamphetamine  | ng/mL |                   |
|                        | <b>MDA</b>   | ng/mL |                   |
|                        | <b>MDMA</b>  | ng/mL |                   |
|                        | <b>MDEA</b>  | ng/mL |                   |
|                        | Selegiline   | ng/mL |                   |
|                        | Phendimetrazine  | ng/mL |                   |
|                        | Phenmetrazine  | ng/mL |                   |
| Specimen Requirements: | Specimen Requirements: 1 mL Fluid  |       |                   |
|                        | Transport Temperature: Refrigerated  |       |                   |
|                        | Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.   |       |                   |
|                        | Light Protection: Not Required   |       |                   |
|                        | Special Handling: None   |       |                   |
|                        | Rejection Criteria: None   |       |                   |
| Stability:             | Room Temperature: Undetermined   |       |                   |
|                        | Refrigerated: Undetermined   |       |                   |
|                        | Frozen (-20 °C): Undetermined  |       |                   |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added. |       |                   |



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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name  | Units | Method / CPT Code |
|------------------------|--|-------|-------------------|
| 5220SP                 | <b>Amphetamines Quantitation/Confirmation, Serum/Plasma (Forensic)</b>   |       |                   |
|                        | Scope: Ephedrine   | ng/mL |                   |
|                        | Methylephedrine  | ng/mL |                   |
|                        | Pseudoephedrine  | ng/mL |                   |
|                        | Phenylpropanolamine  | ng/mL |                   |
|                        | Norpseudoephedrine   | ng/mL |                   |
|                        | Amphetamine  | ng/mL |                   |
|                        | Phentermine  | ng/mL |                   |
|                        | Methamphetamine  | ng/mL | LC-MS/MS (82145)  |
|                        | <b>MDA</b>   | ng/mL |                   |
|                        | <b>MDMA</b>  | ng/mL |                   |
|                        | <b>MDEA</b>  | ng/mL |                   |
|                        | Selegiline   | ng/mL |                   |
|                        | Phendimetrazine  | ng/mL |                   |
|                        | Phenmetrazine  | ng/mL |                   |
| Specimen Requirements: | Specimen Requirements: 1 mL Serum or Plasma<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.<br>Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST). |       |                   |
| Stability:             | Room Temperature: 2 day(s)<br>Refrigerated: 16 day(s)<br>Frozen (-20 °C): 16 day(s)  |       |                   |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.   |       |                   |

Changes effective:  
July 13, 2009

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name  | Units | Method / CPT Code |
|------------------------|--|-------|-------------------|
| 5220TI                 | <b>Amphetamines Quantitation/Confirmation, Tissue (Forensic)</b>   |       |                   |
|                        | Scope: Ephedrine   | ng/g  |                   |
|                        | Methylephedrine  | ng/g  |                   |
|                        | Pseudoephedrine  | ng/g  |                   |
|                        | Phenylpropanolamine  | ng/g  |                   |
|                        | Norpseudoephedrine   | ng/g  |                   |
|                        | Amphetamine  | ng/g  |                   |
|                        | Phentermine  | ng/g  | LC-MS/MS          |
|                        | Methamphetamine  | ng/g  | (80103, 82145)    |
|                        | <b>MDA</b>   | ng/g  |                   |
|                        | <b>MDMA</b>  | ng/g  |                   |
|                        | <b>MDEA</b>  | ng/g  |                   |
|                        | Selegiline   | ng/g  |                   |
|                        | Phendimetrazine  | ng/g  |                   |
|                        | Phenmetrazine  | ng/g  |                   |
| Specimen Requirements: | Specimen Requirements: 10 g Tissue   |       |                   |
|                        | Transport Temperature: Refrigerated  |       |                   |
|                        | Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.   |       |                   |
|                        | Light Protection: Not Required   |       |                   |
|                        | Special Handling: None   |       |                   |
|                        | Rejection Criteria: None   |       |                   |
| Stability:             | Room Temperature: Undetermined   |       |                   |
|                        | Refrigerated: Undetermined   |       |                   |
|                        | Frozen (-20 °C): Undetermined  |       |                   |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added. |       |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name   | Units  | Method / CPT Code       |
|-----------|---|--|-------------------------|
| 5220U     | <p><b>Amphetamines Quantitation/Confirmation, Urine (Forensic)</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 1 mL Urine<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: Received Room Temperature.</p> <p>Stability: Room Temperature: 2 day(s)<br/>Refrigerated: 16 day(s)<br/>Frozen (-20 °C): 16 day(s)</p> | <p>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL</p> | <p>LC-MS/MS (82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>   |  |                         |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code | Test Name   | Units  | Method / CPT Code       |
|-----------|---|--|-------------------------|
| 5223U     | <p><b>Amphetamines Quantitation/Confirmation, Urine (Forensic)</b></p> <p>Scope: Ephedrine<br/>Methylephedrine<br/>Pseudoephedrine<br/>Phenylpropanolamine<br/>Norpseudoephedrine<br/>Amphetamine<br/>Phentermine<br/>Methamphetamine<br/><b>MDA</b><br/><b>MDMA</b><br/><b>MDEA</b><br/>Selegiline<br/>Phendimetrazine<br/>Phenmetrazine</p> <p>Specimen Requirements: Specimen Requirements: 1 mL Urine<br/>Transport Temperature: Refrigerated<br/>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br/>Light Protection: Not Required<br/>Special Handling: None<br/>Rejection Criteria: Received Room Temperature.</p> <p>Stability: Room Temperature: 2 day(s)<br/>Refrigerated: 16 day(s)<br/>Frozen (-20 °C): 16 day(s)</p> | <p>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL<br/>ng/mL</p> | <p>LC-MS/MS (82145)</p> |
|           | <p>Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine, Methylenedioxyethylamphetamine and Methylenedioxymethamphetamine were removed. MDA, MDEA and MDMA were added.</p>   |  |                         |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| <b>Test Code</b> | <b>Test Name</b>  | <b>Units</b> | <b>Method / CPT Code</b> |
|------------------|---|--------------|--------------------------|
| <b>2081U</b>     | <b>Ethyl Glucuronide, Urine</b>   |              |                          |
|                  | Scope: Ethyl Glucuronide  | ng/mL        | <b>LC-MS/MS (82542)</b>  |
|                  | Specimen Requirements: Specimen Requirements: 1 mL Urine<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |              |                          |
|                  | Stability: Room Temperature: 20 day(s)<br>Refrigerated: 20 day(s)<br>Frozen (-20 °C): 20 day(s)   |              |                          |
|                  | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Test Name was changed.   |              |                          |
| <b>9176U</b>     | <b>Fentanyl Screen, Urine</b>   |              |                          |
|                  | Scope: Fentanyl   | ng/mL        | <b>ELISA (80100)</b>     |
|                  | Specimen Requirements: Specimen Requirements: 2 mL Urine<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |              |                          |
|                  | Stability: Room Temperature: 14 day(s)<br>Refrigerated: 30 day(s)<br>Frozen (-20 °C): 30 day(s)   |              |                          |
|                  | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Test Name was changed.<br>Method and CPT code were changed.<br>Norfentanyl was removed.  |              |                          |
| <b>9181U</b>     | <b>Fentanyl Screen, Urine (CSA)</b>   |              |                          |
|                  | Scope: Fentanyl   | ng/mL        | <b>ELISA (80100)</b>     |
|                  | Specimen Requirements: Specimen Requirements: 1 mL Urine<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |              |                          |
|                  | Stability: Room Temperature: 14 day(s)<br>Refrigerated: 30 day(s)<br>Frozen (-20 °C): 30 day(s)   |              |                          |
|                  | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Test Name was changed.<br>Method and CPT code were changed.<br>Norfentanyl was removed.  |              |                          |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name  | Units         | Method / CPT Code  |
|------------------------|--|---------------|--------------------|
| 8760B                  | <b>Hallucinogens Profile, Blood (Forensic)</b>   |               |                    |
|                        | Scope: LSD   | ng/mL         | IA (80101)         |
|                        | Cocaine / Metabolites  | ng/mL         | ELISA (80101x4)    |
|                        | Amphetamines   | ng/mL         |                    |
|                        | Phencyclidine  | ng/mL         |                    |
|                        | Cannabinoids   | ng/mL         |                    |
|                        | Procyclidine   | <b>mcg/mL</b> | GC & GC/MS (82542) |
|                        | <b>MDMA</b>  | ng/mL         |                    |
|                        | Mescaline  | ng/mL         |                    |
|                        | Caffeine   | <b>mcg/mL</b> |                    |
|                        | Ketamine   | ng/mL         |                    |
|                        | <b>MDA</b>   | ng/mL         |                    |
|                        | Chlorphentermine   | ng/mL         |                    |
|                        | Mephentermine  | ng/mL         |                    |
|                        | Phentermine  | ng/mL         |                    |
|                        | Benzphetamine  | ng/mL         |                    |
|                        | Phencyclidine  | ng/mL         |                    |
|                        | Dimethyltryptamine   | ng/mL         |                    |
|                        | Amphetamine  | ng/mL         |                    |
|                        | Methamphetamine  | ng/mL         |                    |
| Specimen Requirements: | Specimen Requirements: 8 mL Blood<br>Transport Temperature: Frozen<br>Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)<br>Light Protection: Yes<br>Special Handling: Glass containers are not acceptable.<br>Rejection Criteria: Not received Light Protected. Glass container. |               |                    |
| Stability:             | Room Temperature: Undetermined<br>Refrigerated: Undetermined<br>Frozen (-20 °C): Undetermined  |               |                    |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.<br>Units were changed.  |               |                    |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name  | Units                 | Method / CPT Code |                    |
|------------------------|--|-----------------------|-------------------|--------------------|
| 8760SP                 | <b>Hallucinogens Profile, Serum/Plasma (Forensic)</b>  |                       |                   |                    |
|                        | Scope  | LSD                   | ng/mL             |                    |
|                        |  | Cocaine / Metabolites | ng/mL             | IA (80101)         |
|                        |  | Amphetamines          | ng/mL             |                    |
|                        |  | Phencyclidine         | ng/mL             |                    |
|                        |  | Cannabinoids          | ng/mL             |                    |
|                        |  | Procyclidine          | mcg/mL            | ELISA (80101x4)    |
|                        |  | <b>MDMA</b>           | ng/mL             |                    |
|                        |  | Mescaline             | ng/mL             |                    |
|                        |  | Caffeine              | mcg/mL            |                    |
|                        |  | Ketamine              | ng/mL             |                    |
|                        |  | <b>MDA</b>            | ng/mL             |                    |
|                        |  | Chlorphentermine      | ng/mL             |                    |
|                        |  | Mephentermine         | ng/mL             |                    |
|                        |  | Phentermine           | ng/mL             |                    |
|                        |  | Benzphetamine         | ng/mL             |                    |
|                        |  | Phencyclidine         | ng/mL             |                    |
|                        |  | Dimethyltryptamine    | ng/mL             |                    |
|                        |  | Amphetamine           | ng/mL             | GC & GC/MS (82542) |
|                        |  | Methamphetamine       | ng/mL             |                    |
|                        | Bufotenine   | ng/mL                 |                   |                    |
|                        | Psilocin   | ng/mL                 |                   |                    |
| Specimen Requirements: | Specimen Requirements: 10 mL Serum or Plasma<br>Transport Temperature: Frozen<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Yes<br>Special Handling: Glass containers are not acceptable. Collect sample in Gray top tube (Sodium Fluoride / Potassium Oxalate). Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.<br>Rejection Criteria: Not received Light Protected. Glass container. Polymer gel separation tube (SST or PST). |                       |                   |                    |
| Stability:             | Room Temperature: Undetermined<br>Refrigerated: Undetermined<br>Frozen (-20 °C): Undetermined  |                       |                   |                    |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.<br>Units were changed.  |                       |                   |                    |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name  | Units                 | Method / CPT Code |                    |
|------------------------|--|-----------------------|-------------------|--------------------|
| 8760U                  | <b>Hallucinogens Profile, Urine (Forensic)</b>   |                       |                   |                    |
|                        | Scope  | LSD                   | ng/mL             |                    |
|                        |  | Cocaine / Metabolites | ng/mL             | IA (80101)         |
|                        |  | Amphetamines          | ng/mL             | EIA (80101x4)      |
|                        |  | Phencyclidine         | ng/mL             |                    |
|                        |  | Cannabinoids          | ng/mL             |                    |
|                        |  | Bufotenine            | ng/mL             |                    |
|                        |  | Psilocin              | ng/mL             |                    |
|                        |  | Procyclidine          | ng/mL             | GC & GC/MS (82542) |
|                        |  | <b>MDMA</b>           | ng/mL             |                    |
|                        |  | Mescaline             | ng/mL             |                    |
|                        |  | Caffeine              | ng/mL             |                    |
|                        |  | Ketamine              | ng/mL             |                    |
|                        |  | <b>MDA</b>            | ng/mL             |                    |
|                        |  | Chlorphentermine      | ng/mL             |                    |
|                        |  | Mephentermine         | ng/mL             |                    |
|                        |  | Phentermine           | ng/mL             |                    |
|                        |  | Benzphetamine         | ng/mL             |                    |
|                        |  | Phencyclidine         | ng/mL             |                    |
|                        |  | Dimethyltryptamine    | ng/mL             |                    |
|                        | Amphetamine  | ng/mL                 |                   |                    |
|                        | Methamphetamine  | ng/mL                 |                   |                    |
| Specimen Requirements: | Specimen Requirements: 7 mL Urine<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Yes<br>Special Handling: Submit with Chain of Custody.<br>Glass containers are not acceptable.<br>Rejection Criteria: Not received Light Protected. Glass container. |                       |                   |                    |
| Stability:             | Room Temperature: Undetermined<br>Refrigerated: Undetermined<br>Frozen (-20 °C): Undetermined  |                       |                   |                    |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.   |                       |                   |                    |



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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code   | Test Name   | Units | Method / CPT Code |
|---|---|-------|-------------------|
| 2584B   | <b>Methylenedioxyamphetamine, Blood</b><br>Scope: <b>MDA</b><br>Specimen Requirements: Specimen Requirements: 1 mL Blood<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None<br><br>Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)   | ng/mL | LC-MS/MS (82145)  |
| Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine was removed.<br>MDA was added. |   |       |                   |
| 2584SP  | <b>Methylenedioxyamphetamine, Serum/Plasma</b><br>Scope: <b>MDA</b><br>Specimen Requirements: Specimen Requirements: 1 mL Serum or Plasma<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.<br>Rejection Criteria: Polymer gel separation tube (SST or PST).<br><br>Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s) | ng/mL | LC-MS/MS (82145)  |
| Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine was removed.<br>MDA was added. |   |       |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code    | Test Name   | Units | Method / CPT Code |
|--------------|---|-------|-------------------|
| <b>2584U</b> | <b>Methylenedioxyamphetamine, Urine</b>   |       |                   |
|              | Scope: <b>MDA</b>   | ng/mL | LC-MS/MS (82145)  |
|              | Specimen Requirements: Specimen Requirements: 1 mL Urine<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |       |                   |
|              | Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)  |       |                   |
|              | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine was removed.<br>MDA was added.   |       |                   |
| <b>8359B</b> | <b>Methylenedioxyamphetamine, Blood (Forensic)</b>  |       |                   |
|              | Scope: Amphetamines   | ng/mL | ELISA (80101)     |
|              | <b>MDA</b>  | ng/mL | LC-MS/MS (82145)  |
|              | Specimen Requirements: Specimen Requirements: 2 mL Blood<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |       |                   |
|              | Stability: Room Temperature: 7 day(s)<br>Refrigerated: 14 day(s)<br>Frozen (-20 °C): 1 month(s)   |       |                   |
|              | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine was removed.<br>MDA was added.   |       |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| <b>Test Code</b> | <b>Test Name</b>  | <b>Units</b>   | <b>Method / CPT Code</b> |
|------------------|---|----------------|--------------------------|
| <b>2585B</b>     | <b>Methylenedioxymethamphetamine and Metabolite, Blood</b>  |                |                          |
|                  | Scope: <b>MDA</b><br><b>MDMA</b>  | ng/mL<br>ng/mL | LC-MS/MS (82145)         |
|                  | Specimen Requirements: Specimen Requirements: 1 mL Blood<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |                |                          |
|                  | Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)  |                |                          |
|                  | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.  |                |                          |
| <b>2585FL</b>    | <b>Methylenedioxymethamphetamine and Metabolite, Fluid</b>  |                |                          |
|                  | Scope: <b>MDA</b><br><b>MDMA</b>  | ng/mL<br>ng/mL | LC-MS/MS (82145)         |
|                  | Specimen Requirements: Specimen Requirements: 1 mL Fluid<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |                |                          |
|                  | Stability: Room Temperature: Undetermined<br>Refrigerated: Undetermined<br>Frozen (-20 °C): Undetermined  |                |                          |
|                  | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.  |                |                          |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| <b>Test Code</b> | <b>Test Name</b>   | <b>Units</b>   | <b>Method / CPT Code</b>   |
|------------------|--|----------------|----------------------------|
| <b>2585SP</b>    | <b>Methylenedioxymethamphetamine and Metabolite, Serum/Plasma</b>  |                |                            |
|                  | Scope: <b>MDA</b><br><b>MDMA</b>   | ng/mL<br>ng/mL | LC-MS/MS (82145)           |
|                  | Specimen Requirements: Specimen Requirements: 1 mL Serum or Plasma<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.<br>Rejection Criteria: Polymer gel separation tube (SST or PST). |                |                            |
|                  | Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)   |                |                            |
|                  | Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed. MDA and MDMA were added.   |                |                            |
| <b>2585TI</b>    | <b>Methylenedioxymethamphetamine and Metabolite, Tissue</b>  |                |                            |
|                  | Scope: <b>MDA</b><br><b>MDMA</b>   | ng/g<br>ng/g   | LC-MS/MS<br>(80103, 82145) |
|                  | Specimen Requirements: Specimen Requirements: 10 g Tissue<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None   |                |                            |
|                  | Stability: Room Temperature: Undetermined<br>Refrigerated: Undetermined<br>Frozen (-20 °C): Undetermined   |                |                            |
|                  | Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed. MDA and MDMA were added.   |                |                            |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code    | Test Name  | Units          | Method / CPT Code            |
|--------------|--|----------------|------------------------------|
| <b>2585U</b> | <b>Methylenedioxymethamphetamine and Metabolite, Urine</b>   |                |                              |
|              | Scope: <b>MDA</b><br><b>MDMA</b>   | ng/mL<br>ng/mL | LC-MS/MS (82145)             |
|              | Specimen Requirements: Specimen Requirements: 1 mL Urine<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None  |                |                              |
|              | Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)   |                |                              |
|              | Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed. MDA and MDMA were added.   |                |                              |
| <b>6927H</b> | <b>Methylenedioxymethamphetamine and Metabolite, Hair (Forensic)</b>   |                |                              |
|              | Scope: <b>MDA</b><br><b>MDMA</b><br>Hair Length  | ng/g<br>ng/g   | GC & GC/MS<br>(80103, 82542) |
|              | Specimen Requirements: Specimen Requirements: 300 mg Hair<br>Transport Temperature: Room Temperature<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: Submit with Chain of Custody. NMS Protectikit or Hair collection kit is available for security of collection and shipment.<br>Collect a pencil-thick segment of hair. Bundle, cut at roots, wrap with twist tie at root end.<br>Rejection Criteria: None |                |                              |
|              | Stability: Room Temperature: Undetermined<br>Refrigerated: Undetermined<br>Frozen (-20 °C): Undetermined   |                |                              |
|              | Summary of Changes: For Quality Improvement purposes the following changes were made. Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed. MDA and MDMA were added.   |                |                              |

Changes effective:  
July 13, 2009

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code              | Test Name  | Units | Method / CPT Code |
|------------------------|--|-------|-------------------|
| 8360B                  | <b>Methylenedioxymethamphetamine and Metabolite, Blood (Forensic)</b>  |       |                   |
|                        | Scope: Amphetamines  | ng/mL | ELISA (80101)     |
|                        | <b>MDA</b>   | ng/mL | LC-MS/MS (82145)  |
|                        | <b>MDMA</b>  | ng/mL |                   |
| Specimen Requirements: | Specimen Requirements: 2 mL Blood<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None   |       |                   |
| Stability:             | Room Temperature: 7 day(s)<br>Refrigerated: 14 day(s)<br>Frozen (-20 °C): 1 month(s)   |       |                   |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.   |       |                   |
| 8360SP                 | <b>Methylenedioxymethamphetamine and Metabolite, Serum/Plasma (Forensic)</b>   |       |                   |
|                        | Scope: Amphetamines  | ng/mL | ELISA (80101)     |
|                        | <b>MDA</b>   | ng/mL | LC-MS/MS (82145)  |
|                        | <b>MDMA</b>  | ng/mL |                   |
| Specimen Requirements: | Specimen Requirements: <b>2 mL Serum or Plasma</b><br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.<br>Rejection Criteria: Polymer gel separation tube (SST or PST). |       |                   |
| Stability:             | Room Temperature: 7 day(s)<br>Refrigerated: 14 day(s)<br>Frozen (-20 °C): 1 month(s)   |       |                   |
| Summary of Changes:    | For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.<br>Requested volume was increased.  |       |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code  | Test Name   | Units                   | Method / CPT Code               |
|--|---|-------------------------|---------------------------------|
| 8360U  | <b>Methylenedioxymethamphetamine and Metabolite, Urine (Forensic)</b> |                         |                                 |
|  | Scope: Amphetamines<br><b>MDA</b><br><b>MDMA</b>                      | ng/mL<br>ng/mL<br>ng/mL | EIA (80101)<br>LC-MS/MS (82145) |
| Specimen Requirements: Specimen Requirements: <b>2 mL Urine</b><br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |   |                         |                                 |
| Stability: Room Temperature: 7 day(s)<br>Refrigerated: 14 day(s)<br>Frozen (-20 °C): 1 month(s)  |   |                         |                                 |
| Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.<br>Requested volume was increased.  |   |                         |                                 |
| 9293B  | <b>Methylenedioxymethamphetamine and Metabolite Screen, Blood</b>     |                         |                                 |
|  | Scope: <b>MDA</b><br><b>MDMA</b>                                      | ng/mL<br>ng/mL          | LC-MS/MS (82145)                |
| Specimen Requirements: Specimen Requirements: <b>4 mL Blood</b><br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |   |                         |                                 |
| Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)   |   |                         |                                 |
| Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.<br>Requested volume was increased.  |   |                         |                                 |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| <b>Test Code</b> | <b>Test Name</b>   | <b>Units</b>   | <b>Method / CPT Code</b>   |
|------------------|--|----------------|----------------------------|
| <b>9293FL</b>    | <b>Methylenedioxymethamphetamine and Metabolite Screen, Fluid</b>  |                |                            |
|                  | Scope: <b>MDA</b><br><b>MDMA</b>   | ng/mL<br>ng/mL | LC-MS/MS (82145)           |
|                  | Specimen Requirements: Specimen Requirements: <b>4 mL Fluid</b><br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None   |                |                            |
|                  | Stability: Room Temperature: Undetermined<br>Refrigerated: Undetermined<br>Frozen (-20 °C): Undetermined   |                |                            |
|                  | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.<br>Requested volume was increased.  |                |                            |
| <b>9293ME</b>    | <b>Methylenedioxymethamphetamine and Metabolite Screen, Meconium</b>   |                |                            |
|                  | Scope: <b>MDA</b><br><b>MDMA</b>   | ng/g<br>ng/g   | LC-MS/MS<br>(80103, 80100) |
|                  | Specimen Requirements: Specimen Requirements: <b>5 g Meconium</b><br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |                |                            |
|                  | Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)   |                |                            |
|                  | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.   |                |                            |



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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code     | Test Name   | Units          | Method / CPT Code |
|---------------|---|----------------|-------------------|
| <b>9293SP</b> | <b>Methylenedioxymethamphetamine and Metabolite Screen, Serum/Plasma</b>  |                |                   |
|               | Scope: <b>MDA</b><br><b>MDMA</b>  | ng/mL<br>ng/mL | LC-MS/MS (82145)  |
|               | Specimen Requirements: Specimen Requirements: <b>4 mL Serum or Plasma</b><br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.<br>Rejection Criteria: Polymer gel separation tube (SST or PST). |                |                   |
|               | Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)  |                |                   |
|               | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.<br>Requested volume was increased.   |                |                   |
| <b>9293U</b>  | <b>Methylenedioxymethamphetamine and Metabolite Screen, Urine</b>   |                |                   |
|               | Scope: <b>MDA</b><br><b>MDMA</b>  | ng/mL<br>ng/mL | LC-MS/MS (80100)  |
|               | Specimen Requirements: Specimen Requirements: <b>2 mL Urine</b><br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None  |                |                   |
|               | Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)  |                |                   |
|               | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.  |                |                   |

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**TEST CHANGES**

**Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements**

| Test Code     | Test Name   | Units          | Method / CPT Code |
|---------------|---|----------------|-------------------|
| <b>5696B</b>  | <b>Methylenedioxymethamphetamine and Metabolite Confirmation, Blood</b>   |                |                   |
|               | Scope: <b>MDA</b><br><b>MDMA</b>  | ng/mL<br>ng/mL | GC/MS (80102)     |
|               | Specimen Requirements: Specimen Requirements: 3 mL Blood<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |                |                   |
|               | Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)  |                |                   |
|               | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.  |                |                   |
| <b>5696FL</b> | <b>Methylenedioxymethamphetamine and Metabolite Confirmation, Fluid</b>   |                |                   |
|               | Scope: <b>MDA</b><br><b>MDMA</b>  | ng/mL<br>ng/mL | GC/MS (80102)     |
|               | Specimen Requirements: Specimen Requirements: 3 mL Fluid<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |                |                   |
|               | Stability: Room Temperature: Undetermined<br>Refrigerated: Undetermined<br>Frozen (-20 °C): Undetermined  |                |                   |
|               | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.  |                |                   |

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## TEST CHANGES

### Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements

| Test Code     | Test Name  | Units | Method / CPT Code |
|---------------|--|-------|-------------------|
| <b>5696ME</b> | <b>Methylenedioxymethamphetamine and Metabolite Confirmation, Meconium</b>   |       |                   |
|               | Scope: <b>MDA</b>  | ng/g  | GC/MS             |
|               | <b>MDMA</b>  | ng/g  | (80103, 80102)    |
|               | Specimen Requirements: Specimen Requirements: 5 g Meconium<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None  |       |                   |
|               | Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)   |       |                   |
|               | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.   |       |                   |
| <b>5696SP</b> | <b>Methylenedioxymethamphetamine and Metabolite Confirmation, Serum/Plasma</b>   |       |                   |
|               | Scope: <b>MDA</b>  | ng/mL | GC/MS (80102)     |
|               | <b>MDMA</b>  | ng/mL |                   |
|               | Specimen Requirements: Specimen Requirements: 3 mL Serum or Plasma<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.<br>Rejection Criteria: Polymer gel separation tube (SST or PST). |       |                   |
|               | Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)   |       |                   |
|               | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxymethamphetamine were removed.<br>MDA and MDMA were added.   |       |                   |

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## TEST CHANGES

### Method/CPT Code\*, Units of Measurement, Scope of Analysis and Specimen Requirements

| Test Code    | Test Name   | Units          | Method / CPT Code |
|--------------|---|----------------|-------------------|
| <b>5696U</b> | <b>Methylenedioxyamphetamine and Metabolite Confirmation, Urine</b>   |                |                   |
|              | Scope: <b>MDA</b><br><b>MDMA</b>  | ng/mL<br>ng/mL | GC/MS (80102)     |
|              | Specimen Requirements: Specimen Requirements: 1 mL Urine<br>Transport Temperature: Refrigerated<br>Specimen Container: NMS Labs has no experimental or literature-based data regarding the choice of specific specimen collection containers for this test.<br>Light Protection: Not Required<br>Special Handling: None<br>Rejection Criteria: None |                |                   |
|              | Stability: Room Temperature: 1 month(s)<br>Refrigerated: 1 month(s)<br>Frozen (-20 °C): 1 month(s)  |                |                   |
|              | Summary of Changes: For Quality Improvement purposes the following changes were made.<br>Methylenedioxyamphetamine and Methylenedioxyamphetamine were removed.<br>MDA and MDMA were added.  |                |                   |

## DISCONTINUED TESTS

| Test Code | Test Name  | Alternative Test                                       |
|-----------|--|--|
| 4645B     | 1,1,1-Trichloroethane, Blood (CSA)                           | No alternate test available                            |
| 4645TI    | 1,1,1-Trichloroethane, Tissue (CSA)                          | No alternate test available                            |
| 8624SP    | Barbiturates Panel, Serum/Plasma (CSA)                       | 8620SP Barbiturates Panel, Serum/Plasma                |
| 9331SP    | Benzodiazepines Panel, Serum/Plasma (CSA)                    | 9329SP Benzodiazepines Panel, Serum/Plasma             |
| 0687SP    | Bismuth, Serum/Plasma (CSA)                                  | 0680SP Bismuth, Serum/Plasma                           |
| 0976SP    | Carbamazepine and Metabolite, Serum/Plasma (CSA)             | 0970SP Carbamazepine and Metabolite, Serum/Plasma      |
| 1269SP    | Clobazam, Serum/Plasma (CSA)                                 | 1267SP Clobazam, Serum/Plasma                          |
| 1271SP    | Clonazepam and Metabolite, Serum/Plasma (CSA)                | 1270SP Clonazepam and Metabolite, Serum/Plasma         |
| 1503SP    | Diazepam and Metabolites, Serum/Plasma (CSA)                 | 1501SP Diazepam and Metabolites, Serum/Plasma          |
| 4667SP    | Duloxetine, Serum (Study)                                    | 4666SP Duloxetine, Serum/Plasma                        |
| 2002SP    | Ethosuximide, Serum/Plasma (CSA)                             | 2000SP Ethosuximide, Serum/Plasma                      |
| 2070SP    | Felbamate, Serum/Plasma (CSA)                                | 2069SP Felbamate, Serum/Plasma                         |
| 2138SP    | Fosphenytoin, Serum/Plasma (CSA)                             | 2136SP Fosphenytoin, Serum/Plasma                      |
| 2145SP    | Gabapentin, Serum/Plasma (CSA)                               | 2143SP Gabapentin, Serum/Plasma                        |
| 5423B     | Heroin Metabolites Confirmation - Free (Unconjugated), Blood | 5686B Heroin Confirmation - Free (Unconjugated), Blood |
| 5423U     | Heroin Metabolites Confirmation - Free (Unconjugated), Urine | 5707U Heroin Confirmation - Free (Unconjugated), Urine |
| 9344B     | Heroin Metabolites Screen, Blood                             | 9343B Heroin Screen, Blood                             |
| 9344U     | Heroin Metabolites Screen, Urine                             | 9343U Heroin Screen, Urine                             |
| 2487SP    | Lamotrigine, Serum/Plasma (CSA)                              | 2484SP Lamotrigine, Serum/Plasma                       |

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## DISCONTINUED TESTS

| Test Code | Test Name  | Alternative Test                                     |
|-----------|--|--|
| 2507SP    | Levetiracetam, Serum/Plasma (CSA)                  | 2505SP Levetiracetam, Serum/Plasma                   |
| 2515SP    | Lidocaine, Serum/Plasma (CSA)                      | 2512SP Lidocaine and Metabolite (MEGX), Serum/Plasma |
| 2239U     | Metals/Metalloids Panel, Urine (CSA)               | No alternate test available                          |
| 2952SP    | Methsuximide as Metabolite, Serum/Plasma (CSA)     | 2950SP Methsuximide as Metabolite, Serum/Plasma      |
| 3058SP    | Midazolam, Serum/Plasma (CSA)                      | 3057SP Midazolam, Serum/Plasma                       |
| 3067R     | Minerals Panel 6, RBCs (CSA)                       | 3066R Mineral Profile, RBCs                          |
| 3267SP    | Oxcarbazepine as Metabolite, Serum/Plasma (CSA)    | 3265SP Oxcarbazepine as Metabolite, Serum/Plasma     |
| 3747SP    | Phenytoin, Free/Bound, Serum/Plasma (CSA)          | 3745SP Phenytoin, Free/Bound, Serum/Plasma           |
| 3797SP    | Pregabalin, Serum/Plasma (CSA)                     | 3795SP Pregabalin, Serum/Plasma                      |
| 4340B     | Tetrachloroethylene, Blood (CSA)                   | 4333B Tetrachloroethane, Blood                       |
| 4340FL    | Tetrachloroethylene, Fluid (CSA)                   | No alternate test available                          |
| 4340TI    | Tetrachloroethylene, Tissue (CSA)                  | No alternate test available                          |
| 4477SP    | Tiagabine, Serum/Plasma (CSA)                      | 4479SP Tiagabine, Serum/Plasma                       |
| 4516FL    | Toluene, Fluid (Study)                             | 4510FL Toluene, Fluid                                |
| 4516TI    | Toluene, Tissue (CSA)                              | 4510TI Toluene, Tissue                               |
| 4517SP    | Topiramate, Serum/Plasma (CSA)                     | 4519SP Topiramate, Serum/Plasma                      |
| 4762SP    | Valproic Acid - Free and Total, Serum/Plasma (CSA) | 4759SP Valproic Acid - Free and Total, Serum/Plasma  |
| 4886SP    | Zonisamide, Serum/Plasma (CSA)                     | 4884SP Zonisamide, Serum/Plasma                      |

## REFERENCE COMMENT CHANGES

| Test Code | Test Name / Compound  | New Reference Comment  |
|-----------|---|--|
| 0210SP    | <b>Allobarbital, Serum/Plasma</b><br><ul style="list-style-type: none"> <li>Allobarbital</li> </ul>     | In plasma, the therapeutic concentration is usually in the range of 15 - 40 mcg/mL. Potentially toxic at plasma concentrations greater than 50 mcg/mL.   |
| 5447B     | <b>Amobarbital Confirmation, Blood</b><br><ul style="list-style-type: none"> <li>Amobarbital</li> </ul> | Following a single oral administration of 120 mg, serum concentrations peaked at about 1.8 mcg/mL at 2 hours, and declined slowly thereafter with a half-life of approximately 24 hours. Potentially toxic at plasma concentrations greater than 9 mcg/mL. |
| 9406B     | <b>Amobarbital Screen, Blood</b><br><ul style="list-style-type: none"> <li>Amobarbital</li> </ul>       | Following a single oral administration of 120 mg, serum concentrations peaked at about 1.8 mcg/mL at 2 hours, and declined slowly thereafter with a half-life of approximately 24 hours. Potentially toxic at plasma concentrations greater than 9 mcg/mL. |
| 0320B     | <b>Amobarbital, Blood</b><br><ul style="list-style-type: none"> <li>Amobarbital</li> </ul>              | Following a single oral administration of 120 mg, serum concentrations peaked at about 1.8 mcg/mL at 2 hours, and declined slowly thereafter with a half-life of approximately 24 hours. Potentially toxic at plasma concentrations greater than 9 mcg/mL. |

**REFERENCE COMMENT CHANGES**

| <b>Test Code</b> | <b>Test Name / Compound</b>   | <b>New Reference Comment</b>   |
|------------------|---|--|
| 0320SP           | <b>Amobarbital, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Amobarbital</li> </ul>                                    | Following a single oral administration of 120 mg, serum concentrations peaked at about 1.8 mcg/mL at 2 hours, and declined slowly thereafter with a half-life of approximately 24 hours. Potentially toxic at plasma concentrations greater than 9 mcg/mL.   |
| 0320U            | <b>Amobarbital, Urine</b> <ul style="list-style-type: none"> <li>Amobarbital</li> </ul>   | Approximately 1 - 3% of a dose is excreted unchanged in the urine. Following a single 600 mg oral dose, peak concentrations ranged from 2.5 - 3.7 mcg/mL over a 21 hour period.  |
| 8622U            | <b>Amobarbital, Urine</b> <ul style="list-style-type: none"> <li>Amobarbital</li> </ul>   | Approximately 1 - 3% of a dose is excreted unchanged in the urine. Following a single 600 mg oral dose, peak concentrations ranged from 2.5 - 3.7 mcg/mL over a 21 hour period.  |
| 0405B            | <b>Anticonvulsants Panel, Blood</b> <ul style="list-style-type: none"> <li>Mephobarbital</li> <li>Phenobarbital</li> </ul>        | Oral daily doses of 100 - 400 mg resulted in plasma concentrations ranging from 0.5 - 1.7 mcg/mL.<br><br>Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.<br>A blood/plasma ratio of 0.81 has been reported.  |
| 0405SP           | <b>Anticonvulsants Panel, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Mephobarbital</li> <li>Phenobarbital</li> </ul> | Oral daily doses of 100 - 400 mg resulted in plasma concentrations ranging from 0.5 - 1.7 mcg/mL.<br><br>Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.   |
| 0405U            | <b>Anticonvulsants Panel, Urine</b> <ul style="list-style-type: none"> <li>Mephobarbital</li> <li>Phenobarbital</li> </ul>        | Less than 1% of a dose is eliminated in the urine as unchanged drug.<br><br>For patients on chronic therapy, a mean of 20% (range, 12 - 55%) of the dose is excreted unchanged in the 24 hour urine.   |
| 0450SP           | <b>Aprobarbital, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Aprobarbital</li> </ul>                                  | In plasma, the therapeutic range is usually between 10 and 40 mcg/mL. Following a single oral dose of 750 mg, a mean peak plasma concentration of 15 mcg/mL (range, 12 - 18 mcg/mL) was produced at 12 hours with a decline to 10 mcg/mL (range, 4 - 14 mcg/mL) after 36 hours. Potentially toxic at plasma concentrations greater than 40 mcg/mL. |

**REFERENCE COMMENT CHANGES**

| <b>Test Code</b> | <b>Test Name / Compound</b>   | <b>New Reference Comment</b>   |
|------------------|---|--|
| 8623U            | <b>Aprobarbital, Urine</b> <ul style="list-style-type: none"> <li>Aprobarbital</li> </ul>   | Slowly excreted from the urine, mainly as metabolites. Less than 3% of a dose is excreted as unchanged drug in 24 hours. From 7.5 - 17.5% of a single dose is excreted unchanged in the urine over a 4 day period.   |
| 0450U            | <b>Aprobarbital, Urine</b> <ul style="list-style-type: none"> <li>Aprobarbital</li> </ul>   | Slowly excreted from the urine, mainly as metabolites. Less than 3% of a dose is excreted as unchanged drug in 24 hours. From 7.5 - 17.5% of a single dose is excreted unchanged in the urine over a 4 day period.   |
| 0500B            | <b>Barbital, Blood</b> <ul style="list-style-type: none"> <li>Barbital</li> </ul>   | Following a single oral dose of 1500 mg, a mean peak plasma level of 26 mcg/mL (range, 21 - 31 mcg/mL) was reported at 12 hours; the concentration declined to 21 mcg/mL (range, 19 - 23 mcg/mL) by 36 hours. Potentially toxic at plasma concentrations greater than 20 mcg/mL.   |
| 0500SP           | <b>Barbital, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Barbital</li> </ul>  | Following a single oral dose of 1500 mg, a mean peak plasma level of 26 mcg/mL (range, 21 - 31 mcg/mL) was reported at 12 hours; the concentration declined to 21 mcg/mL (range, 19 - 23 mcg/mL) by 36 hours. Potentially toxic at plasma concentrations greater than 20 mcg/mL.   |
| 0500U            | <b>Barbital, Urine</b> <ul style="list-style-type: none"> <li>Barbital</li> </ul>   | After a single dose, 33% was found in the urine within 2 days and up to 95% by 13 days.  |
| 5651B            | <b>Barbiturates Confirmation, Blood</b> <ul style="list-style-type: none"> <li>Amobarbital</li> <li>Butabarbital</li> <li>Butalbital</li> </ul> | <p>Following a single oral administration of 120 mg, serum concentrations peaked at about 1.8 mcg/mL at 2 hours, and declined slowly thereafter with a half-life of approximately 24 hours. Potentially toxic at plasma concentrations greater than 9 mcg/mL.</p> <p>Plasma concentrations of 2 - 3 mcg/mL produce sedation and plasma concentrations of 25 mcg/mL produce sleep in most patients. Plasma concentrations of greater than 30 mcg/mL may produce coma and plasma concentrations in excess of 50 mcg/mL are potentially lethal.</p> <p>A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.</p> |

**REFERENCE COMMENT CHANGES**

| Test Code | Test Name / Compound  | New Reference Comment  |
|-----------|---|--|
|           | <ul style="list-style-type: none"> <li>• Pentobarbital</li> <br/> <li>• Phenobarbital</li> <br/> <li>• Secobarbital</li> </ul>  | <p>Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL.</p> <p>Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.<br/>A blood/plasma ratio of 0.81 has been reported.</p> <p>A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8 - 2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL.</p>  |
| 5651SP    | <p><b>Barbiturates Confirmation, Serum/Plasma</b></p> <ul style="list-style-type: none"> <li>• Amobarbital</li> <br/> <li>• Butabarbital</li> <br/> <li>• Butalbital</li> <br/> <li>• Pentobarbital</li> <br/> <li>• Phenobarbital</li> </ul> | <p>Following a single oral administration of 120 mg, serum concentrations peaked at about 1.8 mcg/mL at 2 hours, and declined slowly thereafter with a half-life of approximately 24 hours. Potentially toxic at plasma concentrations greater than 9 mcg/mL.</p> <p>Plasma concentrations of 2 - 3 mcg/mL produce sedation and plasma concentrations of 25 mcg/mL produce sleep in most patients. Plasma concentrations of greater than 30 mcg/mL may produce coma and plasma concentrations in excess of 50 mcg/mL are potentially lethal.</p> <p>A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.</p> <p>Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL.</p> <p>Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.</p> |



**REFERENCE COMMENT CHANGES**

| Test Code           | Test Name / Compound   | New Reference Comment  |
|---------------------|--|--|
|                     | <ul style="list-style-type: none"> <li>• Secobarbital</li> </ul>   | <p>A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8 - 2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL.</p>  |
| <p><b>5651U</b></p> | <p><b>Barbiturates Confirmation, Urine</b></p> <ul style="list-style-type: none"> <li>• Amobarbital</li> <li>• Butabarbital</li> <li>• Butalbital</li> <li>• Pentobarbital</li> <li>• Phenobarbital</li> <li>• Secobarbital</li> </ul> | <p>Approximately 1 - 3% of a dose is excreted unchanged in the urine. Following a single 600 mg oral dose, peak concentrations ranged from 2.5 - 3.7 mcg/mL over a 21 hour period.</p> <p>Approximately 5 - 9% of a single dose is excreted unchanged in the urine over a period of 9 days.</p> <p>The disposition of butalbital has not been well studied in humans.</p> <p>Less than 1% of a dose is eliminated in the urine as unchanged drug.</p> <p>For patients on chronic therapy, a mean of 20% (range, 12 - 55%) of the dose is excreted unchanged in the 24 hour urine.</p> <p>Secobarbital undergoes extensive biotransformation. However, approximately 5% of secobarbital is excreted unchanged in the urine within 2 days.</p>   |
| <p><b>8620B</b></p> | <p><b>Barbiturates Panel, Blood</b></p> <ul style="list-style-type: none"> <li>• Amobarbital</li> <li>• Butabarbital</li> <li>• Butalbital</li> </ul>  | <p>Following a single oral administration of 120 mg, serum concentrations peaked at about 1.8 mcg/mL at 2 hours, and declined slowly thereafter with a half-life of approximately 24 hours. Potentially toxic at plasma concentrations greater than 9 mcg/mL.</p> <p>Plasma concentrations of 2 - 3 mcg/mL produce sedation and plasma concentrations of 25 mcg/mL produce sleep in most patients. Plasma concentrations of greater than 30 mcg/mL may produce coma and plasma concentrations in excess of 50 mcg/mL are potentially lethal.</p> <p>A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.</p> |

**REFERENCE COMMENT CHANGES**

| Test Code | Test Name / Compound  | New Reference Comment   |
|-----------|---|---|
|           | <ul style="list-style-type: none"> <li>• Pentobarbital</li> <li>• Phenobarbital</li> <li>• Secobarbital</li> </ul>  | <p>Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL.</p> <p>Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.<br/>A blood/plasma ratio of 0.81 has been reported.</p> <p>A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8 - 2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL.</p>   |
| 8224B     | <p><b>Barbiturates Panel, Blood (Forensic)</b></p> <ul style="list-style-type: none"> <li>• Amobarbital</li> <li>• Butabarbital</li> <li>• Butalbital</li> <li>• Pentobarbital</li> </ul> | <p>Following a single oral administration of 120 mg, serum concentrations peaked at about 1.8 mcg/mL at 2 hours, and declined slowly thereafter with a half-life of approximately 24 hours. Potentially toxic at plasma concentrations greater than 9 mcg/mL.</p> <p>Plasma concentrations of 2 - 3 mcg/mL produce sedation and plasma concentrations of 25 mcg/mL produce sleep in most patients. Plasma concentrations of greater than 30 mcg/mL may produce coma and plasma concentrations in excess of 50 mcg/mL are potentially lethal.</p> <p>A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.</p> <p>Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL.</p> |

**REFERENCE COMMENT CHANGES**

| Test Code | Test Name / Compound   | New Reference Comment  |
|-----------|--|--|
|           | <ul style="list-style-type: none"> <li>• Phenobarbital</li> <br/> <li>• Secobarbital</li> </ul>  | <p>Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.<br/>A blood/plasma ratio of 0.81 has been reported.</p> <p>A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8 - 2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL.</p>   |
| 8620SP    | <p><b>Barbiturates Panel, Serum/Plasma</b></p> <ul style="list-style-type: none"> <li>• Amobarbital</li> <br/> <li>• Butabarbital</li> <br/> <li>• Butalbital</li> <br/> <li>• Pentobarbital</li> <br/> <li>• Phenobarbital</li> <br/> <li>• Secobarbital</li> </ul> | <p>Following a single oral administration of 120 mg, serum concentrations peaked at about 1.8 mcg/mL at 2 hours, and declined slowly thereafter with a half-life of approximately 24 hours. Potentially toxic at plasma concentrations greater than 9 mcg/mL.</p> <p>Plasma concentrations of 2 - 3 mcg/mL produce sedation and plasma concentrations of 25 mcg/mL produce sleep in most patients. Plasma concentrations of greater than 30 mcg/mL may produce coma and plasma concentrations in excess of 50 mcg/mL are potentially lethal.</p> <p>A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.</p> <p>Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL.</p> <p>Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.</p> <p>A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8 - 2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL.</p> |

**REFERENCE COMMENT CHANGES**

| Test Code | Test Name / Compound   | New Reference Comment  |
|-----------|--|--|
| 8224SP    | <b>Barbiturates Panel, Serum/Plasma (Forensic)</b> <ul style="list-style-type: none"> <li>• Amobarbital</li> <li>• Butabarbital</li> <li>• Butalbital</li> <li>• Pentobarbital</li> <li>• Phenobarbital</li> <li>• Secobarbital</li> </ul> | <p>Following a single oral administration of 120 mg, serum concentrations peaked at about 1.8 mcg/mL at 2 hours, and declined slowly thereafter with a half-life of approximately 24 hours. Potentially toxic at plasma concentrations greater than 9 mcg/mL.</p> <p>Plasma concentrations of 2 - 3 mcg/mL produce sedation and plasma concentrations of 25 mcg/mL produce sleep in most patients. Plasma concentrations of greater than 30 mcg/mL may produce coma and plasma concentrations in excess of 50 mcg/mL are potentially lethal.</p> <p>A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.</p> <p>Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL.</p> <p>Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.</p> <p>A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8 - 2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL.</p> |
| 8620U     | <b>Barbiturates Panel, Urine</b> <ul style="list-style-type: none"> <li>• Amobarbital</li> <li>• Butabarbital</li> <li>• Butalbital</li> </ul>   | <p>Approximately 1 - 3% of a dose is excreted unchanged in the urine. Following a single 600 mg oral dose, peak concentrations ranged from 2.5 - 3.7 mcg/mL over a 21 hour period.</p> <p>Approximately 5 - 9% of a single dose is excreted unchanged in the urine over a period of 9 days.</p> <p>The disposition of butalbital has not been well studied in humans.</p>  |

**REFERENCE COMMENT CHANGES**

| Test Code     | Test Name / Compound   | New Reference Comment  |
|---------------|--|--|
|               | <ul style="list-style-type: none"> <li>• Pentobarbital</li> <li>• Phenobarbital</li> <li>• Secobarbital</li> </ul>   | <p>Less than 1% of a dose is eliminated in the urine as unchanged drug.</p> <p>For patients on chronic therapy, a mean of 20% (range, 12 - 55%) of the dose is excreted unchanged in the 24 hour urine.</p> <p>Secobarbital undergoes extensive biotransformation. However, approximately 5% of secobarbital is excreted unchanged in the urine within 2 days.</p>   |
| <b>8224U</b>  | <p><b>Barbiturates Panel, Urine (Forensic)</b></p> <ul style="list-style-type: none"> <li>• Amobarbital</li> <li>• Butobarbital</li> <li>• Butalbital</li> <li>• Pentobarbital</li> <li>• Phenobarbital</li> <li>• Secobarbital</li> </ul> | <p>Approximately 1 - 3% of a dose is excreted unchanged in the urine. Following a single 600 mg oral dose, peak concentrations ranged from 2.5 - 3.7 mcg/mL over a 21 hour period.</p> <p>Approximately 5 - 9% of a single dose is excreted unchanged in the urine over a period of 9 days.</p> <p>The disposition of butalbital has not been well studied in humans.</p> <p>Less than 1% of a dose is eliminated in the urine as unchanged drug.</p> <p>For patients on chronic therapy, a mean of 20% (range, 12 - 55%) of the dose is excreted unchanged in the 24 hour urine.</p> <p>Secobarbital undergoes extensive biotransformation. However, approximately 5% of secobarbital is excreted unchanged in the urine within 2 days.</p> |
| <b>0810B</b>  | <p><b>Butobarbital, Blood</b></p> <ul style="list-style-type: none"> <li>• Butobarbital</li> </ul>   | <p>Plasma concentrations of 2 - 3 mcg/mL produce sedation and plasma concentrations of 25 mcg/mL produce sleep in most patients. Plasma concentrations of greater than 30 mcg/mL may produce coma and plasma concentrations in excess of 50 mcg/mL are potentially lethal.</p>   |
| <b>0810SP</b> | <p><b>Butobarbital, Serum/Plasma</b></p> <ul style="list-style-type: none"> <li>• Butobarbital</li> </ul>  | <p>Plasma concentrations of 2 - 3 mcg/mL produce sedation and plasma concentrations of 25 mcg/mL produce sleep in most patients. Plasma concentrations of greater than 30 mcg/mL may produce coma and plasma concentrations in excess of 50 mcg/mL are potentially lethal.</p>   |

**REFERENCE COMMENT CHANGES**

| <b>Test Code</b> | <b>Test Name / Compound</b>  | <b>New Reference Comment</b>  |
|------------------|--|---|
| 8625SP           | <b>Butabarbital, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Butabarbital</li> </ul> | Plasma concentrations of 2 - 3 mcg/mL produce sedation and plasma concentrations of 25 mcg/mL produce sleep in most patients. Plasma concentrations of greater than 30 mcg/mL may produce coma and plasma concentrations in excess of 50 mcg/mL are potentially lethal. |
| 0810U            | <b>Butabarbital, Urine</b> <ul style="list-style-type: none"> <li>Butabarbital</li> </ul>        | Approximately 5 - 9% of a single dose is excreted unchanged in the urine over a period of 9 days.   |
| 0830B            | <b>Butalbital, Blood</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>            | A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.        |
| 8626B            | <b>Butalbital, Blood</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>            | A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.        |
| 0830SP           | <b>Butalbital, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>     | A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.        |
| 8626SP           | <b>Butalbital, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>     | A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.        |
| 0830U            | <b>Butalbital, Urine</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>            | The disposition of butalbital has not been well studied in humans.  |
| 8626U            | <b>Butalbital, Urine</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>            | The disposition of butalbital has not been well studied in humans.  |

**REFERENCE COMMENT CHANGES**

| <b>Test Code</b> | <b>Test Name / Compound</b>  | <b>New Reference Comment</b>  |
|------------------|--|---|
| 1019B            | <b>Carbrital Profile, Blood</b> <ul style="list-style-type: none"> <li>Pentobarbital</li> </ul>        | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| 1019SP           | <b>Carbrital Profile, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Pentobarbital</li> </ul> | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| 1019U            | <b>Carbrital Profile, Urine</b> <ul style="list-style-type: none"> <li>Pentobarbital</li> </ul>        | Less than 1% of a dose is eliminated in the urine as unchanged drug.  |
| 1808B            | <b>Donnatal, Blood</b> <ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>                 | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.<br>A blood/plasma ratio of 0.81 has been reported.  |
| 1808SP           | <b>Donnatal, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>          | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.   |
| 1808U            | <b>Donnatal, Urine</b> <ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>                 | For patients on chronic therapy, a mean of 20% (range, 12 - 55%) of the dose is excreted unchanged in the 24 hour urine.  |
| 1955U            | <b>Esgic, Urine</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>                       | The disposition of butalbital has not been well studied in humans.  |
| 2075B            | <b>Fioricet, Blood</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>                    | A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.  |
| 2075SP           | <b>Fioricet, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>             | A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.  |
| 2075U            | <b>Fioricet, Urine</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>                    | The disposition of butalbital has not been well studied in humans.  |

**REFERENCE COMMENT CHANGES**

| <b>Test Code</b> | <b>Test Name / Compound</b>   | <b>New Reference Comment</b>   |
|------------------|---|--|
| 2087B            | <b>Fiorinal, Blood</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>                             | A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.               |
| 2087SP           | <b>Fiorinal, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>                      | A single oral 100 mg dose resulted in a mean peak blood concentration of 2.1 mcg/mL (range, 1.7 - 2.6 mcg/mL) at 2 hours, with a decline to 1.5 mcg/mL (range, 1.3 - 1.7 mcg/mL) by 24 hours. Potentially toxic at plasma concentrations greater than 10 mcg/mL.               |
| 2087U            | <b>Fiorinal, Urine</b> <ul style="list-style-type: none"> <li>Butalbital</li> </ul>                             | The disposition of butalbital has not been well studied in humans.   |
| 5528SP           | <b>Heptabarbital Confirmation, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Heptabarbital</li> </ul> | The therapeutic concentration in plasma is usually in the range of 1 - 4 mcg/mL. Following a single 200 mg dose, peak plasma concentrations of 1.3 - 2.4 mcg/mL occurred in 1.5 - 4 hours. Potentially toxic at plasma concentrations greater than 8 mcg/mL.                   |
| 5528U            | <b>Heptabarbital Confirmation, Urine</b> <ul style="list-style-type: none"> <li>Heptabarbital</li> </ul>        | Less than 1% of a dose is eliminated in the urine as unchanged drug.   |
| 9183SP           | <b>Heptabarbital Screen, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Heptabarbital</li> </ul>       | The therapeutic concentration in plasma is usually in the range of 1 - 4 mcg/mL. Following a single 200 mg dose, peak plasma concentrations of 1.3 - 2.4 mcg/mL occurred in 1.5 - 4 hours. Potentially toxic at plasma concentrations greater than 8 mcg/mL.                   |
| 9183U            | <b>Heptabarbital Screen, Urine</b> <ul style="list-style-type: none"> <li>Heptabarbital</li> </ul>              | Less than 1% of a dose is eliminated in the urine as unchanged drug.   |
| 2298SP           | <b>Hexobarbital, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Hexobarbital</li> </ul>                | The therapeutic concentration in plasma is usually in the range of 1 - 5 mcg/mL. Following a single oral 500 mg dose, peak plasma concentrations of 4.9 - 10.9 mcg/mL were reported in approximately 1 hour. Potentially toxic at plasma concentrations greater than 8 mcg/mL. |
| 2630B            | <b>Mephobarbital and Metabolite, Blood</b> <ul style="list-style-type: none"> <li>Mephobarbital</li> </ul>      | Oral daily doses of 100 - 400 mg resulted in plasma concentrations ranging from 0.5 - 1.7 mcg/mL.  |



**REFERENCE COMMENT CHANGES**

| <b>Test Code</b> | <b>Test Name / Compound</b>  | <b>New Reference Comment</b>   |
|------------------|--|--|
|                  | <ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>  | In patients receiving 100 - 400 mg daily oral doses of mephobarbital, plasma phenobarbital levels ranged from 11 - 32 mcg/mL.<br>A blood/plasma ratio of 0.81 has been reported.   |
| <b>2630SP</b>    | <b>Mephobarbital and Metabolite, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Mephobarbital</li> <li>Phenobarbital</li> </ul> | <p>Oral daily doses of 100 - 400 mg resulted in plasma concentrations ranging from 0.5 - 1.7 mcg/mL.</p> <p>In patients receiving 100 - 400 mg daily oral doses of mephobarbital, plasma phenobarbital levels ranged from 11 - 32 mcg/mL.</p>                                    |
| <b>2630U</b>     | <b>Mephobarbital and Metabolite, Urine</b> <ul style="list-style-type: none"> <li>Mephobarbital</li> <li>Phenobarbital</li> </ul>        | <p>Less than 1% of a dose is eliminated in the urine as unchanged drug.</p> <p>Mephobarbital is rapidly metabolized to phenobarbital. While less than 1% of a dose of mephobarbital is excreted unchanged in the urine, as much as 15% is present as phenobarbital.</p>          |
| <b>2860B</b>     | <b>Metharbital and Metabolite, Blood</b> <ul style="list-style-type: none"> <li>Barbital</li> </ul>                                      | Following a single oral dose of 1500 mg, a mean peak plasma level of 26 mcg/mL (range, 21 - 31 mcg/mL) was reported at 12 hours; the concentration declined to 21 mcg/mL (range, 19 - 23 mcg/mL) by 36 hours. Potentially toxic at plasma concentrations greater than 20 mcg/mL. |
| <b>2860SP</b>    | <b>Metharbital and Metabolite, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Barbital</li> </ul>                               | Following a single oral dose of 1500 mg, a mean peak plasma level of 26 mcg/mL (range, 21 - 31 mcg/mL) was reported at 12 hours; the concentration declined to 21 mcg/mL (range, 19 - 23 mcg/mL) by 36 hours. Potentially toxic at plasma concentrations greater than 20 mcg/mL. |
| <b>2860U</b>     | <b>Metharbital and Metabolite, Urine</b> <ul style="list-style-type: none"> <li>Barbital</li> </ul>                                      | Approximately 9% of a metharbital dose is excreted as barbital in the 48 hour urine. It is believed that much of the remainder of the dose is excreted as barbital over a 2 - 3 week period following a single administration.   |
| <b>3410B</b>     | <b>Pentobarbital, Blood</b> <ul style="list-style-type: none"> <li>Pentobarbital</li> </ul>  | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL.                |

**REFERENCE COMMENT CHANGES**

| <b>Test Code</b> | <b>Test Name / Compound</b>   | <b>New Reference Comment</b>  |
|------------------|---|---|
| 8632B            | <b>Pentobarbital, Blood</b> <ul style="list-style-type: none"> <li>Pentobarbital</li> </ul>                             | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| 3410SP           | <b>Pentobarbital, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Pentobarbital</li> </ul>                      | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| 8632SP           | <b>Pentobarbital, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Pentobarbital</li> </ul>                      | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| 3410U            | <b>Pentobarbital, Urine</b> <ul style="list-style-type: none"> <li>Pentobarbital</li> </ul>                             | Less than 1% of a dose is eliminated in the urine as unchanged drug.  |
| 8632U            | <b>Pentobarbital, Urine</b> <ul style="list-style-type: none"> <li>Pentobarbital</li> </ul>                             | Less than 1% of a dose is eliminated in the urine as unchanged drug.  |
| 3582SP           | <b>Phenobarbital - Free/Bound, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Phenobarbital - Total</li> </ul> | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.   |
| 5544B            | <b>Phenobarbital Confirmation, Blood</b> <ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>                | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.<br>A blood/plasma ratio of 0.81 has been reported.  |
| 5544SP           | <b>Phenobarbital Confirmation, Serum/Plasma</b> <ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>         | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.   |
| 5544U            | <b>Phenobarbital Confirmation, Urine</b> <ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>                | For patients on chronic therapy, a mean of 20% (range, 12 - 55%) of the dose is excreted unchanged in the 24 hour urine.  |
| 9416B            | <b>Phenobarbital Screen, Blood</b> <ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>                      | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.<br>A blood/plasma ratio of 0.81 has been reported.  |

**REFERENCE COMMENT CHANGES**

| <b>Test Code</b> | <b>Test Name / Compound</b>  | <b>New Reference Comment</b>   |
|------------------|--|--|
| 9416SP           | <b>Phenobarbital Screen, Serum/Plasma</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>       | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.  |
| 9416U            | <b>Phenobarbital Screen, Urine</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>              | For patients on chronic therapy, a mean of 20% (range, 12 - 55%) of the dose is excreted unchanged in the 24 hour urine.   |
| 3580B            | <b>Phenobarbital, Blood</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>                     | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.<br>A blood/plasma ratio of 0.81 has been reported. |
| 8633B            | <b>Phenobarbital, Blood</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>                     | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.<br>A blood/plasma ratio of 0.81 has been reported. |
| 3580SP           | <b>Phenobarbital, Serum/Plasma</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>              | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.  |
| 3584SP           | <b>Phenobarbital, Serum/Plasma</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>              | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.  |
| 8633SP           | <b>Phenobarbital, Serum/Plasma</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>              | Serum/plasma concentrations of 10 - 30 mcg/mL are generally considered desirable when given as an anticonvulsant.  |
| 3580U            | <b>Phenobarbital, Urine</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>                     | For patients on chronic therapy, a mean of 20% (range, 12 - 55%) of the dose is excreted unchanged in the 24 hour urine.   |
| 8633U            | <b>Phenobarbital, Urine</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>                     | For patients on chronic therapy, a mean of 20% (range, 12 - 55%) of the dose is excreted unchanged in the 24 hour urine.   |
| 3902SP           | <b>Primidone and Metabolite, Serum/Plasma</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>   | Patients receiving 1000 mg of primidone daily, showed phenobarbital serum concentrations of 17 - 29 mcg/mL.  |
| 3900B            | <b>Primidone, Phenobarbital and PEMA, Blood</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul> | Patients receiving 1000 mg of primidone daily, showed phenobarbital serum concentrations of 17 - 29 mcg/mL.<br>A blood/plasma ratio of 0.81 has been reported.       |

**REFERENCE COMMENT CHANGES**

| <b>Test Code</b> | <b>Test Name / Compound</b>   | <b>New Reference Comment</b>   |
|------------------|---|--|
| 3900SP           | <b>Primidone, Phenobarbital and PEMA, Serum/Plasma</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul> | Patients receiving 1000 mg of primidone daily, showed phenobarbital serum concentrations of 17 - 29 mcg/mL.  |
| 3900U            | <b>Primidone, Phenobarbital and PEMA, Urine</b><br><ul style="list-style-type: none"> <li>Phenobarbital</li> </ul>        | Phenobarbital is a minor metabolite of primidone.  |
| 4170B            | <b>Secobarbital, Blood</b><br><ul style="list-style-type: none"> <li>Secobarbital</li> </ul>                              | A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8 - 2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL. |
| 8634B            | <b>Secobarbital, Blood</b><br><ul style="list-style-type: none"> <li>Secobarbital</li> </ul>                              | A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8 - 2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL. |
| 4170SP           | <b>Secobarbital, Serum/Plasma</b><br><ul style="list-style-type: none"> <li>Secobarbital</li> </ul>                       | A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8 - 2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL. |
| 8634SP           | <b>Secobarbital, Serum/Plasma</b><br><ul style="list-style-type: none"> <li>Secobarbital</li> </ul>                       | A 3.3 mg/kg oral dose (approx. 230 mg/70 kg) produced a mean peak blood concentration of 2.0 mcg/mL (range, 1.8 - 2.2 mcg/mL) at 3 hours, diminishing to 1.3 mcg/mL by 20 hours and 0.8 mcg/mL by 40 hours. Potentially toxic at blood concentrations greater than 8 mcg/mL. |
| 4170U            | <b>Secobarbital, Urine</b><br><ul style="list-style-type: none"> <li>Secobarbital</li> </ul>                              | Secobarbital undergoes extensive biotransformation. However, approximately 5% of secobarbital is excreted unchanged in the urine within 2 days.  |
| 8634U            | <b>Secobarbital, Urine</b><br><ul style="list-style-type: none"> <li>Secobarbital</li> </ul>                              | Secobarbital undergoes extensive biotransformation. However, approximately 5% of secobarbital is excreted unchanged in the urine within 2 days.  |

**REFERENCE COMMENT CHANGES**

| <b>Test Code</b> | <b>Test Name / Compound</b>   | <b>New Reference Comment</b>  |
|------------------|---|---|
| <b>5600B</b>     | <b>Thiopental and Metabolite Confirmation, Blood</b> <ul style="list-style-type: none"> <li>• Pentobarbital</li> </ul>        | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| <b>5600SP</b>    | <b>Thiopental and Metabolite Confirmation, Serum/Plasma</b> <ul style="list-style-type: none"> <li>• Pentobarbital</li> </ul> | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| <b>9419B</b>     | <b>Thiopental and Metabolite Screen, Blood</b> <ul style="list-style-type: none"> <li>• Pentobarbital</li> </ul>              | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| <b>9419SP</b>    | <b>Thiopental and Metabolite Screen, Serum/Plasma</b> <ul style="list-style-type: none"> <li>• Pentobarbital</li> </ul>       | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| <b>4450B</b>     | <b>Thiopental and Metabolite, Blood</b> <ul style="list-style-type: none"> <li>• Pentobarbital</li> </ul>                     | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| <b>8636B</b>     | <b>Thiopental and Metabolite, Blood</b> <ul style="list-style-type: none"> <li>• Pentobarbital</li> </ul>                     | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| <b>4450SP</b>    | <b>Thiopental and Metabolite, Serum/Plasma</b> <ul style="list-style-type: none"> <li>• Pentobarbital</li> </ul>              | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |

Changes effective:  
July 13, 2009

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#### REFERENCE COMMENT CHANGES

| Test Code | Test Name / Compound   | New Reference Comment   |
|-----------|--|---|
| 8636SP    | <b>Thiopental and Metabolite, Serum/Plasma</b> <ul style="list-style-type: none"><li>Pentobarbital</li></ul> | Peak serum concentrations of 1.2 - 3.1 mcg/mL were produced 0.5 - 2.0 hours after a 100 mg oral dose and peak serum concentrations of 3 mcg/mL were produced 6 min. following a 100 mg IV dose. Potentially toxic at blood concentrations greater than 10 mcg/mL. |
| 4450U     | <b>Thiopental and Metabolite, Urine</b> <ul style="list-style-type: none"><li>Pentobarbital</li></ul>        | Less than 1% of a dose is eliminated in the urine as unchanged drug.  |
| 8636U     | <b>Thiopental and Metabolite, Urine</b> <ul style="list-style-type: none"><li>Pentobarbital</li></ul>        | Less than 1% of a dose is eliminated in the urine as unchanged drug.  |