Immediate Action

In our continuing effort to provide you with the highest quality toxicology laboratory services available, we have compiled important changes regarding a number of tests we perform. Listed below are the types of changes that may be included in this notification, effective Monday, September 23, 2013

**New Tests** - Tests recently added to the NMS Labs test menu. *New Tests are effective immediately.*

**Test Changes** - Tests that have had changes to the method/ CPT code, units of measurement, scope of analysis, reference comments, or specimen requirements.

**Discontinued Tests** - Tests being discontinued with alternate testing suggestions.

Please use this information to update your computer systems/records. These changes are important to ensure standardization of our mutual laboratory databases.

If you have any questions about the information contained in this notification, please call our Client Support Department at (866) 522-2206. Thank you for your continued support of NMS Labs and your assistance in implementing these changes.

The CPT Codes provided in this document are based on AMA guidelines and are for informational purposes only. NMS Labs does not assume responsibility for billing errors due to reliance on the CPT Codes listed in this document.
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<tbody>
<tr>
<td>5968U</td>
<td>Synthetic Cannabinoid Metabolites Confirmation 2, Urine</td>
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<tr>
<td>9562U</td>
<td>Synthetic Cannabinoid Metabolites Screen - Expanded, Urine (Forensic)</td>
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New Tests

<table>
<thead>
<tr>
<th>Test Number</th>
<th>Test Name</th>
<th>Scope of Analysis</th>
<th>Method(s)</th>
<th>Purpose</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>5968U</td>
<td>Synthetic Cannabinoid Metabolites Confirmation 2, Urine</td>
<td>BB-22 3-Carboxyindole metabolite [LC-MS/MS]; F-PB-22 Carboxyindole metabolite [LC-MS/MS]; MAM-2201 Pentanoic acid metabolite [LC-MS/MS]; PB-22 3-Carboxyindole metabolite [LC-MS/MS]</td>
<td>High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)</td>
<td>Confirmation of positive screen. This test is New York State approved.</td>
<td>Synthetic Cannabinoid</td>
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</table>

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

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

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

**Set-Up Days / TAT:** Tuesday Thursday 3 days (after set-up)

**CPT Code:** 83788

**Compound Name / Alias** | Units | RL | Reference Comment |
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<tbody>
<tr>
<td>PB-22 3-Carboxyindole metabolite 1-pentylindole-3-carboxylic acid</td>
<td>ng/mL</td>
<td>2.0</td>
<td>PB-22, a synthetic cannabinoid, has been identified in products sold as 'herbal incense'. These products are sold under a wide variety of names including (but not limited to) K2 and Spice. These products may be used as an alternative to marijuana.</td>
</tr>
<tr>
<td>BB-22 3-Carboxyindole metabolite 1-(cyclohexylmethyl)indole-3-carboxylic acid</td>
<td>ng/mL</td>
<td>2.0</td>
<td>BB-22, a synthetic cannabinoid, has been identified in products sold as 'herbal incense'. These products are sold under a wide variety of names including (but not limited to) K2 and Spice. These products may be used as an alternative to marijuana.</td>
</tr>
<tr>
<td>MAM-2201 Pentanoic acid metabolite 5-[3-(4-methylnaphthalene-1-carbonyl)indol-1-yl]pentanoic acid; JWH-122 Pentanoic acid metabolite</td>
<td>ng/mL</td>
<td>0.2</td>
<td>MAM-2201, a synthetic cannabinoid, has been identified in products sold as 'herbal incense'. These products are sold under a wide variety of names including (but not limited to) K2 and Spice. These products may be used as an alternative to marijuana.</td>
</tr>
<tr>
<td>F-PB-22 Carboxyindole metabolite 1-(5-fluoropentyl)indole-3-carboxylic acid</td>
<td>ng/mL</td>
<td>2.0</td>
<td>F-PB-22, a synthetic cannabinoid, has been identified in products sold as 'herbal incense'. These products are sold under a wide variety of names including (but not limited to) K2 and Spice. These products may be used as an alternative to marijuana.</td>
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**Effective Immediately**

Monday, September 23, 2013

Willow Grove, PA 19090

NMS Labs

www.NMSLabs.com
New Tests and Test Updates

Test Changes
9562U Synthetic Cannabinoid Metabolites Screen - Expanded, Urine (Forensic)

Summary of Changes:
- Specimen Requirements were changed.
- Stability was changed.
- Scope of Analysis was changed.
- PB-22 3-Carboxyindole metabolite, NMS Labs SynCann® Screen 1, BB-22 3-Carboxyindole metabolite, NMS Labs SynCann® Screen 3, MAM-2201 Pentanoic acid metabolite and F-PB-22 Carboxyindole metabolite were added.
- Methods/CPT Codes were changed [LC-MS/MS (80100)]

Specimen Requirements: 10 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Stability: Room Temperature: 14 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 14 day(s)

Scope of Analysis:
- ELISA (80101x2): NMS Labs SynCann® Screen 1, NMS Labs SynCann® Screen 3
- LC-MS/MS (80100): PB-22 3-Carboxyindole metabolite, BB-22 3-Carboxyindole metabolite, MAM-2201 Pentanoic acid metabolite, F-PB-22 Carboxyindole metabolite

<table>
<thead>
<tr>
<th>Compound Name</th>
<th>Units</th>
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<tbody>
<tr>
<td>NMS Labs SynCann® Screen 1</td>
<td>ng/mL</td>
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<tr>
<td>PB-22 3-Carboxyindole metabolite</td>
<td>ng/mL</td>
</tr>
<tr>
<td>BB-22 3-Carboxyindole metabolite</td>
<td>ng/mL</td>
</tr>
<tr>
<td>NMS Labs SynCann® Screen 3</td>
<td>ng/mL</td>
</tr>
<tr>
<td>MAM-2201 Pentanoic acid metabolite</td>
<td>ng/mL</td>
</tr>
<tr>
<td>F-PB-22 Carboxyindole metabolite</td>
<td>ng/mL</td>
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