



Effective Date:
Monday, June 29, 2015

Test Updates

Immediate Action

In our continuing effort to provide you with the highest quality toxicology laboratory services available, we have compiled important changes regarding a number of tests we perform. Listed below are the types of changes that may be included in this notification, effective Monday, June 29, 2015

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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Test Updates

Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
5962U	Synthetic Cannabinoid Metabolites Confirmation (Qualitative) - Expanded, Urine (Forensic)					•			
5963U	Synthetic Cannabinoid Metabolites Confirmation (Qualitative), Urine					•			
5968U	Synthetic Cannabinoid Metabolites Confirmation 2 (Qualitative), Urine								•
9562U	Synthetic Cannabinoid Metabolites Screen - Expanded, Urine (Forensic)		•			•			
9568U	Synthetic Cannabinoid Metabolites Screen 2, Urine								•



Test Updates

Test Changes

5962U Synthetic Cannabinoid Metabolites Confirmation (Qualitative) - Expanded, Urine (Forensic)

Summary of Changes: Scope of Analysis was changed.
 JWH-018 N-pentanoic acid, JWH-073 N-Butanoic acid, UR-144 N-pentanoic acid, AKB48 N-pentanoic acid, AB-FUBINACA oxobutanoic acid, AB-CHMINACA 3-methyl-butanoic acid, PB-22 3-Carboxyindole, 5-Fluoro-PB-22 3-Carboxyindole, BB-22 3-Carboxyindole, ADB-PINACA N-pentanoic acid, AB-PINACA N-pentanoic acid and ADBICA N-pentanoic acid were added.
 JWH-073 N-(4-hydroxybutyl) metabolite, RCS-4 (O-desmethyl N-4-hydroxypentyl) metabolite, JWH-081 (O-desmethyl N-4-hydroxypentyl) metabolite, JWH-081 (O-desmethyl N-5-hydroxypentyl) metabolite, JWH-250 N-(4-hydroxypentyl) metabolite, JWH-073 N-(3-hydroxybutyl) metabolite, JWH-018 N-(4-hydroxypentyl) metabolite, JWH-018 N-(5-hydroxypentyl) metabolite, AM-2201 N-(4-hydroxypentyl) metabolite, JWH-019 N-(5-hydroxyhexyl) metabolite, JWH-019 N-(6-hydroxyhexyl) metabolite, JWH-122 N-(4-hydroxypentyl) metabolite, JWH-122 N-(5-hydroxypentyl) metabolite, JWH-210 N-(4-hydroxypentyl) metabolite, JWH-210 N-(5-hydroxypentyl) metabolite, UR-144 N-(5-hydroxypentyl) metabolite, UR-144 N-pentanoic acid metabolite and JWH-022 N-(3-hydroxypent-4-enyl) metabolite were removed.

Scope of Analysis: LC-MS/MS (80352): JWH-018 N-pentanoic acid, JWH-073 N-Butanoic acid, UR-144 N-pentanoic acid, AKB48 N-pentanoic acid, AB-FUBINACA oxobutanoic acid, AB-CHMINACA 3-methyl-butanoic acid, PB-22 3-Carboxyindole, 5-Fluoro-PB-22 3-Carboxyindole, BB-22 3-Carboxyindole, ADB-PINACA N-pentanoic acid, AB-PINACA N-pentanoic acid, ADBICA N-pentanoic acid

Compound Name	Units	Reference Comment
JWH-018 N-pentanoic acid	ng/mL	<p>JWH-018, 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.</p> <p>JWH-018 N-Pentanoic acid has been identified as a major metabolite of JWH-018 in humans. It has also been shown to be a metabolite of AM-2201 and is a presumed metabolite of JWH-122 and JWH-210.</p>
JWH-073 N-Butanoic acid	ng/mL	<p>JWH-073, 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.</p> <p>JWH-073 N-Butanoic acid has been identified as a major metabolite of JWH-073 in humans.</p>



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Compound Name	Units	Reference Comment
UR-144 N-pentanoic acid	ng/mL	<p>UR-144, 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.</p> <p>UR-144 N-pentanoic acid has been identified as a major metabolite of UR-144 and XLR-11(FUR-144) in humans</p>
AKB48 N-pentanoic acid	ng/mL	<p>AKB48, 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.</p> <p>AKB48 N-pentanoic acid has been identified as a major metabolite of AKB48 and 5F-AKB48 in humans.</p>
AB-FUBINACA oxobutanoic acid	ng/mL	<p>AB-FUBINACA, 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.</p> <p>AB-FUBINACA oxobutanoic acid has been identified as a major metabolite of AB-FUBINACA in humans.</p>
AB-CHMINACA 3-methyl-butanoic acid	ng/mL	<p>AB-CHMINACA, 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.</p> <p>AB-CHMINACA 3-methyl-butanoic acid has been identified as a major metabolite of AB-CHMINACA in humans.</p>
PB-22 3-Carboxyindole	ng/mL	<p>PB-22 and 5-Fluoro-PB-22, synthetic cannabinoids, have 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.</p> <p>PB-22 3-Carboxyindole has been identified as a major metabolite of PB-22 and 5F-PB-22 in humans.</p>



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Compound Name	Units	Reference Comment
5-Fluoro-PB-22 3-Carboxyindole	ng/mL	<p>5-Fluoro-PB-22, a synthetic cannabinoids, 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.</p> <p>5-Fluoro-PB-22 3-Carboxyindole has been identified as a major metabolite of 5F-PB-22 in humans.</p>
BB-22 3-Carboxyindole	ng/mL	<p>BB-22, a synthetic cannabinoids, 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.</p> <p>Based on the structural similarities between BB-22 and PB-22 and what is known about PB-22 metabolism, BB-22 3-Carboxyindole is expected to be a metabolite of BB-22 in humans.</p>
ADB-PINACA N-pentanoic acid	ng/mL	<p>ADB-PINACA, 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.</p> <p>ADB-PINACA N-pentanoic acid has been identified as a major metabolite of ADB-PINACA in humans.</p>
AB-PINACA N-pentanoic acid	ng/mL	<p>AB-PINACA, 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.</p> <p>AB-PINACA N-pentanoic acid has been identified as a major metabolite of AB-PINACA and 5F-AB-PINACA in humans.</p>



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Compound Name	Units	Reference Comment
ADBICA N-pentanoic acid	ng/mL	<p>ADBICA, 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.</p> <p>Based on structural similarities between ADBICA and AB-PINACA, and what is known about AB-PINACA metabolism, ADBICA N-pentanoic acid is expected to be a major metabolite of ADBICA and 5F-ADBICA in humans.</p>

5963U Synthetic Cannabinoid Metabolites Confirmation (Qualitative), Urine

Summary of Changes: Scope of Analysis was changed. JWH-018 N-pentanoic acid, JWH-073 N-Butanoic acid and UR-144 N-pentanoic acid were added. JWH-018 N-(4-hydroxypentyl) metabolite, JWH-018 N-(5-hydroxypentyl) metabolite, JWH-073 N-(3-hydroxybutyl) metabolite, JWH-073 N-(4-hydroxybutyl) metabolite, UR-144 N-(5-hydroxypentyl) metabolite and UR-144 N-pentanoic acid metabolite were removed.

Scope of Analysis: LC-MS/MS (80352): JWH-018 N-pentanoic acid, JWH-073 N-Butanoic acid, UR-144 N-pentanoic acid
Method (CPT Code) N-pentanoic acid

Compound Name	Units	Reference Comment
JWH-018 N-pentanoic acid	ng/mL	<p>JWH-018, 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.</p> <p>JWH-018 N-Pentanoic acid has been identified as a major metabolite of JWH-018 in humans. It has also been shown to be a metabolite of AM-2201 and is a presumed metabolite of JWH-122 and JWH-210.</p>
JWH-073 N-Butanoic acid	ng/mL	<p>JWH-073, 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.</p> <p>JWH-073 N-Butanoic acid has been identified as a major metabolite of JWH-073 in humans.</p>



Test Updates

Test Changes

Compound Name	Units	Reference Comment
UR-144 N-pentanoic acid	ng/mL	UR-144, 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.

UR-144 N-pentanoic acid has been identified as a major metabolite of UR-144 and XLR-11(FUR-144) in humans

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

Summary of Changes: Scope of Analysis was changed.
 JWH-018 N-pentanoic acid, JWH-073 N-Butanoic acid, UR-144 N-pentanoic acid, AKB48 N-pentanoic acid, AB-FUBINACA oxobutanoic acid, AB-CHMINACA 3-methyl-butanoic acid, PB-22 3-Carboxyindole, 5-Fluoro-PB-22 3-Carboxyindole, BB-22 3-Carboxyindole, ADB-PINACA N-pentanoic acid, AB-PINACA N-pentanoic acid and ADBICA N-pentanoic acid were added.
 Methods/CPT Codes were changed [LC-MS/MS (80304)]
 PB-22 3-Carboxyindole metabolite, BB-22 3-Carboxyindole metabolite, MAM-2201 Pentanoic acid metabolite, F-PB-22 Carboxyindole metabolite, NMS Labs SynCann ® Screen 1 and NMS Labs SynCann ® Screen 3 were removed.

Scope of Analysis: LC-MS/MS (80304): JWH-018 N-pentanoic acid, JWH-073 N-Butanoic acid, UR-144 N-pentanoic acid, AKB48 N-pentanoic acid, AB-FUBINACA oxobutanoic acid, AB-CHMINACA 3-methyl-butanoic acid, PB-22 3-Carboxyindole, 5-Fluoro-PB-22 3-Carboxyindole, BB-22 3-Carboxyindole, ADB-PINACA N-pentanoic acid, AB-PINACA N-pentanoic acid, ADBICA N-pentanoic acid

Compound Name	Units	Reference Comment
JWH-018 N-pentanoic acid	ng/mL	
JWH-073 N-Butanoic acid	ng/mL	
UR-144 N-pentanoic acid	ng/mL	
AKB48 N-pentanoic acid	ng/mL	
AB-FUBINACA oxobutanoic acid	ng/mL	
AB-CHMINACA 3-methyl-butanoic acid	ng/mL	
PB-22 3-Carboxyindole	ng/mL	
5-Fluoro-PB-22 3-Carboxyindole	ng/mL	
BB-22 3-Carboxyindole	ng/mL	
ADB-PINACA N-pentanoic acid	ng/mL	
AB-PINACA N-pentanoic acid	ng/mL	
ADBICA N-pentanoic acid	ng/mL	



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Discontinued Tests

Test Code	Test Name	Alternative Test
5968U	Synthetic Cannabinoid Metabolites Confirmation 2 (Qualitative), Urine	No Alternate Tests Available
9568U	Synthetic Cannabinoid Metabolites Screen 2, Urine	9562U - Synthetic Cannabinoid Metabolites Screen - Expanded, Urine (Forensic)