



Effective Date:

Monday, October 24, 2011

New Tests and 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, October 24, 2011

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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Test Code	Test Name	New Test	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
4281U	Synthetic Cannabinoid Metabolites (Qualitative) - Expanded, Urine	•								
4280U	Synthetic Cannabinoid Metabolites (Qualitative), Urine									•
9561U	Synthetic Cannabinoid Metabolites Screen (Qualitative), Urine (Forensic) (CSA)									•
9562U	Synthetic Cannabinoid Metabolites Screen - Expanded, Urine (Forensic)	•								
9563U	Synthetic Cannabinoid Metabolites Screen, Urine	•								



New Tests and Test Updates

New Tests

4281U	Synthetic Cannabinoid Metabolites (Qualitative) - Expanded, Urine	Effective Immediately
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Scope of Analysis: AM-2201 N-(4-hydroxypentyl) metabolite [LC-MS/MS], JWH-018 N-(4-hydroxypentyl) metabolite [LC-MS/MS], JWH-018 N-(5-hydroxypentyl) metabolite [LC-MS/MS], JWH-019 N-(5-hydroxyhexyl) metabolite [LC-MS/MS], JWH-073 N-(3-hydroxybutyl) metabolite [LC-MS/MS], JWH-073 N-(4-hydroxybutyl) metabolite [LC-MS/MS], JWH-250 N-(4-hydroxypentyl) metabolite [LC-MS/MS]

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

Purpose: Exposure Monitoring/Abuse Monitoring

Category: Synthetic Cannabinoid

Specimen Requirements: 3 mL Urine

Minimum Volume: 1.2 mL

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
JWH-018 N-(4-hydroxypentyl) metabolite 1-(4-hydroxypentyl)-1H-indol-3-yl(naphthalen-1-yl)methanone; Fake pot; Incense; JWH-018 omega minus one hydroxyl; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	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. JWH-018 N-(4-hydroxypentyl) has been identified as a major metabolite of JWH-018 in humans.
JWH-018 N-(5-hydroxypentyl) metabolite 1-(5-hydroxypentyl)-1H-indol-3-yl(naphthalen-1-yl)methanone; Fake pot; Incense; JWH-018 omega hydroxyl; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	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. JWH-018 N-(5-hydroxypentyl) has been identified as a major metabolite of JWH-018 in humans.
AM-2201 N-(4-hydroxypentyl) metabolite 1-[(4-hydroxy-5-fluoropentyl)-1H-indol-3-yl]-(naphthalen-1-yl)methanone; AM-2201 omega minus one hydroxyl; Fake pot; Incense; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	AM-2201, a synthetic cannabinoid and fluorinated analog of JWH-018, 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. AM-2201 N-(4-hydroxypentyl) has been identified as a major metabolite of AM-2201 in humans.
JWH-019 N-(5-hydroxyhexyl) metabolite 1-(5-hydroxyhexyl)-1H-indol-3-yl(naphthalen-1-yl)methanone; Fake pot; Incense; JWH-019 omega minus one hydroxyl; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	JWH-019, 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. JWH-019 N-(5-hydroxyhexyl) has been identified as a major metabolite of JWH-019 in humans.



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Compound Name / Alias	Units	RL	Reference Comment
JWH-073 N-(3-hydroxybutyl) metabolite 1-(3-hydroxybutyl)-1H-indol-3-yl(napthalen-1-yl)methanone; Fake pot; Incense; K2; Omega minus one-OH-JWH-073; Spice; Synthetic Cannabinoids	ng/mL	0.1	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. JWH-073 N-(3-hydroxybutyl) has been identified as a major metabolite of JWH-073 in humans.
JWH-073 N-(4-hydroxybutyl) metabolite 1-(4-hydroxybutyl)-1H-indol-3-yl(napthalen-1-yl)methanone; Fake pot; Incense; JWH-073 omega hydroxyl; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	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. JWH-073 N-(4-hydroxybutyl) has been identified as a major metabolite of JWH-073 in humans.
JWH-250 N-(4-hydroxypentyl) metabolite 1-(1-(4-hydroxypentyl)-1H-indol-3-yl)-2-(2-methoxyphenyl)ethanone; Fake pot; Incense; JWH-250 omega minus one hydroxyl; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	JWH-250, 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. JWH-250 N-(4-hydroxypentyl) has been identified as a major metabolite of JWH-250 in humans.

9562U	Synthetic Cannabinoid Metabolites Screen - Expanded, Urine (Forensic)	Effective Immediately
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Scope of Analysis: AM-2201 N-(4-hydroxypentyl) metabolite [LC-MS/MS], JWH-018 N-(4-hydroxypentyl) metabolite [LC-MS/MS], JWH-018 N-(5-hydroxypentyl) metabolite [LC-MS/MS], JWH-019 N-(5-hydroxyhexyl) metabolite [LC-MS/MS], JWH-073 N-(3-hydroxybutyl) metabolite [LC-MS/MS], JWH-073 N-(4-hydroxybutyl) metabolite [LC-MS/MS], JWH-250 N-(4-hydroxypentyl) metabolite [LC-MS/MS]

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

Purpose: Forensic Analysis; Exposure Monitoring/Abuse Monitoring

Category: Synthetic Cannabinoid

Specimen Requirements: 3 mL Urine

Minimum Volume: 2.4 mL

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: 80100

Compound Name / Alias	Units	RL	Reference Comment
JWH-018 N-(4-hydroxypentyl) metabolite 1-(4-hydroxypentyl)-1H-indol-3-yl(napthalen-1-yl)methanone; Fake pot; Incense; JWH-018 omega minus one hydroxyl; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	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. JWH-018 N-(4-hydroxypentyl) has been identified as a major metabolite of JWH-018 in humans.



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Compound Name / Alias	Units	RL	Reference Comment
JWH-018 N-(5-hydroxypentyl) metabolite 1-(5-hydroxypentyl)-1H-indol-3-yl(naphthalen-1-yl)methanone; Fake pot; Incense; JWH-018 omega hydroxyl; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	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. JWH-018 N-(5-hydroxypentyl) has been identified as a major metabolite of JWH-018 in humans.
AM-2201 N-(4-hydroxypentyl) metabolite 1-[(4-hydroxy-5-fluoropentyl)-1H-indol-3-yl]-(naphthalen-1-yl)methanone; AM-2201 omega minus one hydroxyl; Fake pot; Incense; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	AM-2201, a synthetic cannabinoid and fluorinated analog of JWH-018, 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. AM-2201 N-(4-hydroxypentyl) has been identified as a major metabolite of AM-2201 in humans.
JWH-019 N-(5-hydroxyhexyl) metabolite 1-(5-hydroxyhexyl)-1H-indol-3-yl(naphthalen-1-yl)methanone; Fake pot; Incense; JWH-019 omega minus one hydroxyl; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	JWH-019, 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. JWH-019 N-(5-hydroxyhexyl) has been identified as a major metabolite of JWH-019 in humans.
JWH-073 N-(3-hydroxybutyl) metabolite 1-(3-hydroxybutyl)-1H-indol-3-yl(naphthalen-1-yl)methanone; Fake pot; Incense; K2; Omega minus one-OH-JWH-073; Spice; Synthetic Cannabinoids	ng/mL	0.1	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. JWH-073 N-(3-hydroxybutyl) has been identified as a major metabolite of JWH-073 in humans.
JWH-073 N-(4-hydroxybutyl) metabolite 1-(4-hydroxybutyl)-1H-indol-3-yl(naphthalen-1-yl)methanone; Fake pot; Incense; JWH-073 omega hydroxyl; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	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. JWH-073 N-(4-hydroxybutyl) has been identified as a major metabolite of JWH-073 in humans.
JWH-250 N-(4-hydroxypentyl) metabolite 1-(1-(4-hydroxypentyl)-1H-indol-3-yl)-2-(2-methoxyphenyl)ethanone; Fake pot; Incense; JWH-250 omega minus one hydroxyl; K2; Spice; Synthetic Cannabinoids	ng/mL	0.1	JWH-250, 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. JWH-250 N-(4-hydroxypentyl) has been identified as a major metabolite of JWH-250 in humans.

9563U	Synthetic Cannabinoid Metabolites Screen, Urine	Effective Immediately
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Scope of Analysis: JWH-018 / JWH-073 Metabolites [ELISA]
 Method(s): Enzyme-Linked Immunosorbent Assay (ELISA)
 Purpose: Forensic Analysis; Exposure Monitoring/Abuse Monitoring
 Category: Synthetic Cannabinoid
 5 mL Urine



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Specimen Requirements:

Minimum Volume: 2.4 mL

Special Handling: None

Specimen Container: Plastic container (preservative-free)

Transport Temperature: Refrigerated

Light Protection: Not Required

Rejection Criteria: None

Stability: Room Temperature: 30 day(s)

Refrigerated: 30 day(s)

Frozen (-20 °C): 30 day(s)

Method: Enzyme-Linked Immunosorbent Assay (ELISA)

Set-Up Days / TAT: Monday Wednesday Friday 3 days (after set-up)

CPT Code: 80101

Compound Name / Alias	Units	RL	Reference Comment
JWH-018 / JWH-073 Metabolites Fake pot; Incense; K2; Spice; Synthetic Cannabinoids	ng/mL	5.0	



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Discontinued Tests

Test Code	Test Name	Alternative Test
4280U	Synthetic Cannabinoid Metabolites (Qualitative), Urine	4281U - Synthetic Cannabinoid Metabolites (Qualitative) - Expanded, Urine 9563U - Synthetic Cannabinoid Metabolites Screen, Urine
9561U	Synthetic Cannabinoid Metabolites Screen (Qualitative), Urine (Forensic) (CSA)	9562U - Synthetic Cannabinoid Metabolites Screen - Expanded, Urine (Forensic) 9563U - Synthetic Cannabinoid Metabolites Screen, Urine