



Effective Date:
Monday, March 28, 2022

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, March 28, 2022

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
2416U	Aromatic Solvents Metabolites Panel, Urine			•		•		•	
3101U	Benzene Metabolites Panel, Urine								•
5962U	Synthetic Cannabinoid Metabolites Confirmation (Qualitative) - Expanded, Urine	•			•	•			
9562U	Synthetic Cannabinoid Metabolites Screen - Expanded, Urine	•			•	•			
4283U	Synthetic Cannabinoid Metabolites-Expanded (Qualitative), Urine	•			•	•			
3100U	t,t-Muconic Acid, Urine								•



Test Updates

Test Changes

2416U Aromatic Solvents Metabolites Panel, Urine

Summary of Changes: Specimen Requirements were changed.
Scope of Analysis was changed.
Reference Comment was changed.
t,t-Muconic Acid and t,t-Muconic Acid (Creatinine corrected) were removed.

Specimen Requirements: 6 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Collect sample at end of shift.
Acidify with 1.0 mL acetic acid per 100 mL urine.
Rejection Criteria: Received Room Temperature.
Scope of Analysis: GC (84600): o-Cresol, o-Cresol (Creatinine corrected), Phenol - Total, Phenol - Total (Creatinine corrected), p-and/or m-Cresol
Method (CPT Code) LC-MS/MS (83921): Phenylglyoxylic Acid, Phenylglyoxylic Acid (Creatinine corrected), Mandelic Acid, Mandelic Acid (Creatinine corrected), Mandelic Acid Plus Phenylglyoxylic Acid (Creatinine corrected), Hippuric Acid, Hippuric Acid (Creatinine corrected), 2-Methylhippuric Acid, 2-Methylhippuric Acid (Creatinine corrected), 3- and 4-Methylhippuric Acid, 3- and 4-Methylhippuric Acid (Creatinine corrected), Methylhippuric Acids - Total, Methylhippuric Acids - Total (Creatinine corrected)
Colorimetry (82570): Creatinine
LC-MS/MS (83921): S-Phenylmercapturic Acid, S-Phenylmercapturic Acid (Creatinine corrected)

Compound Name	Units	Reference Comment
S-Phenylmercapturic Acid (Creatinine corrected)	mcg/g Creat	Biological Exposure Index (ACGIH) from Benzene exposure: 25 mcg S-Phenylmercapturic Acid/g Creatinine (0.012 umol/mmol Creatinine) measured in an end of shift urine specimen.

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

Summary of Changes: Test Name was changed.
Stability was changed.
Scope of Analysis was changed.
MDMB-4en-PINACA butanoic acid was added.
4-carboxy-AMB-PINACA, FUBICA 3,3-dimethylbutanoic acid, 5-fluoro-PINAC-ACID, 4-carboxy-CUMYL-BINACA, 5-fluoro-PIC-ACID, FUBIC-ACID, CHMINACA-3-methylbutanoic acid, CHMINACA 3,3-dimethylbutanoic acid AND CHMIC-ACID were removed.

Stability: Room Temperature: 30 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 6 month(s)



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Scope of Analysis: LC-MS/MS (80352): 5-fluoro-PINACA 3-methylbutanoic acid, 4-fluoro-BINACA 3,3-dimethylbutanoic acid, 5-fluoro-PICA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3,3-dimethylbutanoic acid, MDMB-4en-PINACA butanoic acid, FUBINACA 3-methylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, 4-carboxy-NA-PIM

Compound Name	Units	Reference Comment
MDMB-4en-PINACA butanoic acid	ng/mL	MDMB-4en-PINACA butanoic acid is a known or presumed metabolite of the following synthetic cannabinoid(s): 4F-MDMB-4en-PINACA. It may also be a metabolite of other synthetic cannabinoids with similar structures.

9562U Synthetic Cannabinoid Metabolites Screen - Expanded, Urine

Summary of Changes: Test Name was changed.
Stability was changed.
Scope of Analysis was changed.
MDMB-4en-PINACA butanoic acid was added.
4-carboxy-AMB-PINACA, FUBICA 3,3-dimethylbutanoic acid, 5-fluoro-PINAC-ACID, 4-carboxy-CUMYL-BINACA, 5-fluoro-PIC-ACID, FUBIC-ACID, CHMINACA-3-methylbutanoic acid, CHMINACA 3,3-dimethylbutanoic acid AND CHMIC-ACID were removed.

Stability: Room Temperature: 30 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 6 month(s)

Scope of Analysis: LC-MS/MS (80307): 5-fluoro-PINACA 3-methylbutanoic acid, 4-fluoro-BINACA 3,3-dimethylbutanoic acid, 5-fluoro-PICA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3,3-dimethylbutanoic acid, MDMB-4en-PINACA butanoic acid, FUBINACA 3-methylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, 4-carboxy-NA-PIM

Compound Name	Units	Reference Comment
MDMB-4en-PINACA butanoic acid	ng/mL	MDMB-4en-PINACA butanoic acid is a known or presumed metabolite of the following synthetic cannabinoid(s): 4F-MDMB-4en-PINACA. It may also be a metabolite of other synthetic cannabinoids with similar structures.

4283U Synthetic Cannabinoid Metabolites-Expanded (Qualitative), Urine

Summary of Changes: Test Name was changed.
Stability was changed.
Scope of Analysis was changed.
MDMB-4en-PINACA butanoic acid was added.
4-carboxy-AMB-PINACA, FUBICA 3,3-dimethylbutanoic acid, 5-fluoro-PINAC-ACID, 4-carboxy-CUMYL-BINACA, 5-fluoro-PIC-ACID, FUBIC-ACID, CHMINACA-3-methylbutanoic acid, CHMINACA 3,3-dimethylbutanoic acid AND CHMIC-ACID were removed.



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Stability: Room Temperature: 30 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 6 month(s)

Scope of Analysis: LC-MS/MS (80352): 5-fluoro-PINACA 3-methylbutanoic acid, 4-fluoro-BINACA 3,3-dimethylbutanoic acid, 5-fluoro-PICA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3,3-dimethylbutanoic acid, MDMB-4en-PINACA butanoic acid, FUBINACA 3-methylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, 4-carboxy-NA-PIM

Compound Name	Units	Reference Comment
MDMB-4en-PINACA butanoic acid	ng/mL	MDMB-4en-PINACA butanoic acid is a known or presumed metabolite of the following synthetic cannabinoid(s): 4F-MDMB-4en-PINACA. It may also be a metabolite of other synthetic cannabinoids with similar structures.



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Discontinued Tests

Test Code	Test Name	Alternative Test
3101U	Benzene Metabolites Panel, Urine	3475U - S-Phenylmercapturic Acid, Urine
3100U	t,t-Muconic Acid, Urine	No Alternate Tests Available