



Effective Date:  
Monday, June 14, 2021

## 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 14, 2021

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**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.

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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	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
8054B	Postmortem, Expanded with NPS, Blood (Forensic)					•		•	
10092B	Postmortem, Expert w/Vitreous Alcohol Confirmation, Blood (Forensic) (CSA)					•		•	
10151B	Postmortem, Expert w/Vitreous Alcohol Confirmation, Blood (Forensic) (CSA)					•		•	
5970B	Synthetic Cannabinoids Confirmation (Qualitative), Blood	•		•	•	•		•	
5971B	Synthetic Cannabinoids Confirmation 2019 (Qualitative), Blood								•
9566B	Synthetic Cannabinoids Screen (Add-On), Blood	•		•	•	•		•	
9560B	Synthetic Cannabinoids Screen, Blood	•		•	•	•		•	



# Test Updates

## Test Changes

### 8054B Postmortem, Expanded with NPS, Blood (Forensic)

Summary of Changes: Scope of Analysis was changed.  
5-fluoro-PICA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3-methylbutanoic acid, 4-fluoro-BINACA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3,3-dimethylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, APP-BINACA and MDMB-4en-PINACA were added.  
Reference Comment was changed.  
4-cyano-CUMYL-BINACA, 5-fluoro-EDMB-PINACA, 5-fluoro-MMB-PINACA, 5-fluoro-NA-PIC, 5-fluoro-QU-PINAC, ADAMANTYL-FUBINACA, ADMB-FUBICA, AMB-CHMINACA, AMB-FUBINACA, CUMYL-THPINACA, MDMB-CHMCZCA, MDMB-CHMICA, MDMB-CHMINAC, MDMB-FUBICA, MDMB-FUBINACA / EMB-FUBINACA, MMB-CHMICA, MMB-CHMINACA, MMB-FUBICA, NA-FUBIC and NA-FUBIM were removed.

Scope of Analysis:  
Method (CPT Code)

Compound Name	Units	Reference Comment
5-fluoro-PICA 3,3-dimethylbutanoic acid	ng/mL	
5-fluoro-PINACA 3-methylbutanoic acid	ng/mL	
4-fluoro-BINACA 3,3-dimethylbutanoic acid	ng/mL	
5-fluoro-PINACA 3,3-dimethylbutanoic acid	ng/mL	
FUBINACA 3,3-dimethylbutanoic acid	ng/mL	
APP-BINACA	ng/mL	
MDMB-4en-PINACA	ng/mL	
ADMB-CHMINACA	ng/mL	Substance(s) known to interfere with the identity and/or quantity of the reported result: AB-CHMINACA

### 10092B Postmortem, Expert w/Vitreous Alcohol Confirmation, Blood (Forensic) (CSA)

Summary of Changes: Scope of Analysis was changed.  
5-fluoro-PICA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3-methylbutanoic acid, 4-fluoro-BINACA 3,3-dimethylbutanoic acid, FUBINACA 3-methylbutanoic acid, 5-fluoro-PINACA 3,3-dimethylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, APP-BINACA and MDMB-4en-PINACA were added.  
Reference Comment was changed.  
4-cyano-CUMYL-BINACA, 5-fluoro-EDMB-PINACA, 5-fluoro-MMB-PINACA, 5-fluoro-NA-PIC, 5-fluoro-QU-PINAC, ADAMANTYL-FUBINACA, ADMB-FUBICA, AMB-CHMINACA, AMB-FUBINACA, CUMYL-THPINACA, MDMB-CHMCZCA, MDMB-CHMICA, MDMB-CHMINAC, MDMB-FUBICA, MDMB-FUBINACA / EMB-FUBINACA, MMB-CHMICA, MMB-CHMINACA, MMB-FUBICA, NA-FUBIC and NA-FUBIM were removed.



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### Test Changes

Scope of Analysis:  
Method (CPT Code)

Compound Name	Units	Reference Comment
5-fluoro-PICA 3,3-dimethylbutanoic acid	ng/mL	
5-fluoro-PINACA 3-methylbutanoic acid	ng/mL	
4-fluoro-BINACA 3,3-dimethylbutanoic acid	ng/mL	
FUBINACA 3-methylbutanoic acid	ng/mL	
5-fluoro-PINACA 3,3-dimethylbutanoic acid	ng/mL	
FUBINACA 3,3-dimethylbutanoic acid	ng/mL	
APP-BINACA	ng/mL	
MDMB-4en-PINACA	ng/mL	
ADMB-CHMINACA	ng/mL	Substance(s) known to interfere with the identity and/or quantity of the reported result: AB-CHMINACA

#### 10151B Postmortem, Expert w/Vitreous Alcohol Confirmation, Blood (Forensic) (CSA)

Summary of Changes: Scope of Analysis was changed.  
5-fluoro-PICA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3-methylbutanoic acid, 4-fluoro-BINACA 3,3-dimethylbutanoic acid, FUBINACA 3-methylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, APP-BINACA, MDMB-4en-PINACA and 5-fluoro-PINACA 3,3-dimethylbutanoic acid were added.  
Reference Comment was changed.  
4-cyano-CUMYL-BINACA, 5-fluoro-EDMB-PINACA, 5-fluoro-MMB-PINACA, 5-fluoro-NA-PIC, 5-fluoro-QU-PINAC, ADAMANTYL-FUBINACA, ADMB-FUBICA, AMB-CHMINACA, AMB-FUBINACA, CUMYL-THPINACA, MDMB-CHMCZCA, MDMB-CHMICA, MDMB-CHMINAC, MDMB-FUBICA, MDMB-FUBINACA / EMB-FUBINACA, MMB-CHMICA, MMB-CHMINACA, MMB-FUBICA, NA-FUBIC and NA-FUBIM were removed.

Scope of Analysis:  
Method (CPT Code)

Compound Name	Units	Reference Comment
5-fluoro-PICA 3,3-dimethylbutanoic acid	ng/mL	
5-fluoro-PINACA 3-methylbutanoic acid	ng/mL	
4-fluoro-BINACA 3,3-dimethylbutanoic acid	ng/mL	
FUBINACA 3-methylbutanoic acid	ng/mL	



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Compound Name	Units	Reference Comment
5-fluoro-PINACA 3,3-dimethylbutanoic acid	ng/mL	
FUBINACA 3,3-dimethylbutanoic acid	ng/mL	
APP-BINACA	ng/mL	
MDMB-4en-PINACA	ng/mL	
ADMB-CHMINACA	ng/mL	Substance(s) known to interfere with the identity and/or quantity of the reported result: AB-CHMINACA

### 5970B Synthetic Cannabinoids Confirmation (Qualitative), Blood

Summary of Changes: Test Name was changed.  
 Specimen Requirements (Specimen Container) were changed.  
 Stability was changed.  
 Scope of Analysis was changed.  
 5-fluoro-PICA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3-methylbutanoic acid, 4-fluoro-BINACA 3,3-dimethylbutanoic acid, FUBINACA 3-methylbutanoic acid, 5-fluoro-PINACA 3,3-dimethylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, APP-BINACA and MDMB-4en-PINACA were added.  
 Reference Comment was changed.  
 4-cyano-CUMYL-BINACA, 5-fluoro-EDMB-PINACA, 5-fluoro-MMB-PINACA, 5-fluoro-NA-PIC, 5-fluoro-QU-PINAC, ADAMANTYL-FUBINACA, ADMB-FUBICA, AMB-CHMINACA, AMB-FUBINACA, CUMYL-THPINACA, MDMB-CHMCZCA, MDMB-CHMICA, MDMB-CHMINAC, MDMB-FUBICA, MDMB-FUBINACA / EMB-FUBINACA, MMB-CHMICA, MMB-CHMINACA, MMB-FUBICA, NA-FUBIC and NA-FUBIM were removed.

Specimen Requirements: 2 mL Blood  
 Transport Temperature: Frozen  
 Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)  
 Light Protection: Not Required  
 Special Handling: None  
 Rejection Criteria: Received Room Temperature. Received Refrigerated.  
 Stability: Room Temperature: Not Stable  
 Refrigerated: Not Stable  
 Frozen (-20 °C): 1 month(s)  
 Scope of Analysis: LC-MS/MS (80352): ADMB-FUBINACA, 5-fluoro-PICA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3-methylbutanoic acid, 4-fluoro-BINACA 3,3-dimethylbutanoic acid, FUBINACA 3-methylbutanoic acid, 4-fluoro-MDMB-BINACA, 5-fluoro-PINACA 3,3-dimethylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, APP-BINACA, 5-fluoro-MDMB-PICA, MMB-FUBINACA, 5-fluoro-MDMB-PINACA / 5-fluoro-EMB-PINACA, MDMB-4en-PINACA, ADMB-CHMINACA



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Compound Name	Units	Reference Comment
5-fluoro-PICA 3,3-dimethylbutanoic acid	ng/mL	5-fluoro-PICA 3,3-dimethylbutanoic acid is a known or presumed metabolite of the following synthetic cannabinoid(s): 5-fluoro-MDMB-PICA. It may also be a metabolite of other synthetic cannabinoids with similar structures.
5-fluoro-PINACA 3-methylbutanoic acid	ng/mL	5-fluoro-PINACA 3-methylbutanoic acid (5F-AMB 3-methylbutanoic acid) is a known or presumed metabolite of the following synthetic cannabinoid(s): 5-fluoro-MMB-PINACA (5-fluoro AMB); 5-fluoro-EMB-PINACA (5F-AEB). It may also be a metabolite of other synthetic cannabinoids with similar structures.
4-fluoro-BINACA 3,3-dimethylbutanoic acid	ng/mL	4-fluoro-BINACA 3,3-dimethylbutanoic acid is a known or presumed metabolite of the following synthetic cannabinoid(s): 4-fluoro-MDMB-BINACA. It may also be a metabolite of other synthetic cannabinoids with similar structures.
FUBINACA 3-methylbutanoic acid	ng/mL	FUBINACA 3-methylbutanoic acid (FUB-AMB 3-methylbutanoic acid) is a known or presumed metabolite of the following synthetic cannabinoid(s): AMB-FUBINACA (AB-FUBINACA); MMB-FUBINACA (FUB-AMB); EMB-FUBINACA. It may also be a metabolite of other synthetic cannabinoids with similar structures.
5-fluoro-PINACA 3,3-dimethylbutanoic acid	ng/mL	5-fluoro-PINACA 3,3-dimethylbutanoic acid (5F-ADB 3,3-dimethylbutanoic acid) is a known or presumed metabolite of the following synthetic cannabinoid(s): 5-fluoro-MDMB-PINACA (5F-ADB); 5-fluoro-EDMB-PINACA. It may also be a metabolite of other synthetic cannabinoids with similar structures.
FUBINACA 3,3-dimethylbutanoic acid	ng/mL	FUBINACA 3,3-dimethylbutanoic acid (MDMB-FUBINACA 3,3-dimethylbutanoic acid) is a known or presumed metabolite of the following synthetic cannabinoid(s): MDMB-FUBINACA; ADB-FUBINACA (ADB-FUBINACA). It may also be a metabolite of other synthetic cannabinoids with similar structures.



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Compound Name	Units	Reference Comment
APP-BINACA	ng/mL	APP-BINACA is one of many synthetic cannabinoid drugs. The drug is typically sprayed on botanical material and smoked, although it can be ingested in liquid or powder form. It binds to and demonstrates functional activity at the same brain receptor as THC, the active component of marijuana.
MMB-FUBINACA	ng/mL	MMB-FUBINACA is one of many synthetic cannabinoid drugs. These drugs are typically sprayed on botanical material and smoked, although they can be ingested in liquid or powder form. They bind to and demonstrates functional activity at the same brain receptor as THC, the active component of marijuana.
5-fluoro-MDMB-PINACA / 5-fluoro-EMB-PINACA	ng/mL	5-fluoro-MDMB-PINACA and 5-fluoro-EMB-PINACA are synthetic cannabinoid drugs. These drugs are typically sprayed on botanical material and smoked, although they can be ingested in liquid or powder form. They bind to and demonstrates functional activity at the same brain receptor as THC, the active component of marijuana. This test does not differentiate between these isomeric compounds.
MDMB-4en-PINACA	ng/mL	MDMB-4en-PINACA is one of many synthetic cannabinoid drugs. These drugs are typically sprayed on botanical material and smoked, although they can be ingested in liquid or powder form. They bind to and demonstrates functional activity at the same brain receptor as THC, the active component of marijuana.

#### 9566B Synthetic Cannabinoids Screen (Add-On), Blood

Summary of Changes: Test Name was changed.  
Specimen Requirements (Specimen Container) were changed.  
Stability was changed.  
Scope of Analysis was changed.  
4-fluoro-BINACA 3,3-dimethylbutanoic acid, FUBINACA 3-methylbutanoic acid, 5-fluoro-PINACA 3,3-dimethylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, APP-BINACA, MDMB-4en-PINACA, 5-fluoro-PICA 3,3-dimethylbutanoic acid and 5-fluoro-PINACA 3-methylbutanoic acid were added.  
Reference Comment was changed.  
4-cyano-CUMYL-BINACA, 5-fluoro-EDMB-PINACA, 5-fluoro-MMB-PINACA, 5-fluoro-NA-PIC, 5-fluoro-QU-PINAC, ADAMANTYL-FUBINACA, ADMB-FUBICA, AMB-CHMINACA, AMB-FUBINACA, CUMYL-THPINACA, MDMB-CHMCZCA, MDMB-CHMICA, MDMB-CHMINAC, MDMB-FUBICA, MDMB-FUBINACA / EMB-FUBINACA, MMB-CHMICA, MMB-CHMINACA, MMB-FUBICA, NA-FUBIC and NA-FUBIM were removed.



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### Test Changes

Specimen Requirements: 5 mL Blood  
Transport Temperature: Frozen  
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)  
Light Protection: Not Required  
Special Handling: None  
Rejection Criteria: Received Room Temperature. Received Refrigerated.  
Stability: Room Temperature: Not Stable  
Refrigerated: Not Stable  
Frozen (-20 °C): 1 month(s)  
Scope of Analysis: LC-MS/MS (80307): ADMI-BUBINACA, 5-fluoro-PICA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3-methylbutanoic acid, 4-fluoro-BINACA 3,3-dimethylbutanoic acid, FUBINACA 3-methylbutanoic acid, 4-fluoro-MDMI-BINACA, 5-fluoro-PINACA 3,3-dimethylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, APP-BINACA, 5-fluoro-MDMI-PICA, MMB-FUBINACA, 5-fluoro-MDMI-PINACA / 5-fluoro-EMB-PINACA, MDMI-4en-PINACA, ADMI-CHMINACA

Compound Name	Units	Reference Comment
5-fluoro-PICA 3,3-dimethylbutanoic acid	ng/mL	
5-fluoro-PINACA 3-methylbutanoic acid	ng/mL	
4-fluoro-BINACA 3,3-dimethylbutanoic acid	ng/mL	
FUBINACA 3-methylbutanoic acid	ng/mL	
5-fluoro-PINACA 3,3-dimethylbutanoic acid	ng/mL	
FUBINACA 3,3-dimethylbutanoic acid	ng/mL	
APP-BINACA	ng/mL	
MDMI-4en-PINACA	ng/mL	
ADMI-CHMINACA	ng/mL	
		Substance(s) known to interfere with the identity and/or quantity of the reported result: AB-CHMINACA

### 9560B Synthetic Cannabinoids Screen, Blood

Summary of Changes: Test Name was changed.  
Specimen Requirements (Specimen Container) were changed.  
Stability was changed.  
Scope of Analysis was changed.  
5-fluoro-PICA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3-methylbutanoic acid, 4-fluoro-BINACA 3,3-dimethylbutanoic acid, FUBINACA 3-methylbutanoic acid, 5-fluoro-PINACA 3,3-dimethylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, APP-BINACA and MDMI-4en-PINACA were added.  
Reference Comment was changed.





## Test Changes

4-cyano-CUMYL-BINACA, 5-fluoro-EDMB-PINACA, 5-fluoro-MMB-PINACA, 5-fluoro-NA-PIC, 5-fluoro-QU-PINAC, ADAMANTYL-FUBINACA, ADMB-FUBICA, AMB-CHMINACA, AMB-FUBINACA, CUMYL-THPINACA, MDMB-CHMCZCA, MDMB-CHMICA, MDMB-CHMINAC, MDMB-FUBICA, MDMB-FUBINACA / EMB-FUBINACA, MMB-CHMICA, MMB-CHMINACA, MMB-FUBICA, NA-FUBIC and NA-FUBIM were removed.

Specimen Requirements: 5 mL Blood  
 Transport Temperature: Frozen  
 Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)  
 Light Protection: Not Required  
 Special Handling: None  
 Rejection Criteria: Received Room Temperature. Received Refrigerated.  
 Stability: Room Temperature: Not Stable  
 Refrigerated: Not Stable  
 Frozen (-20 °C): 1 month(s)  
 Scope of Analysis: LC-MS/MS (80307): ADMB-FUBINACA, 5-fluoro-PICA 3,3-dimethylbutanoic acid, 5-fluoro-PINACA 3-methylbutanoic acid, 4-fluoro-BINACA 3,3-dimethylbutanoic acid, FUBINACA 3-methylbutanoic acid, 4-fluoro-MDMB-BINACA, 5-fluoro-PINACA 3,3-dimethylbutanoic acid, FUBINACA 3,3-dimethylbutanoic acid, APP-BINACA, 5-fluoro-MDMB-PICA, MMB-FUBINACA, 5-fluoro-MDMB-PINACA / 5-fluoro-EMB-PINACA, MDMB-4en-PINACA, ADMB-CHMINACA

Compound Name	Units	Reference Comment
5-fluoro-PICA 3,3-dimethylbutanoic acid	ng/mL	
5-fluoro-PINACA 3-methylbutanoic acid	ng/mL	
4-fluoro-BINACA 3,3-dimethylbutanoic acid	ng/mL	
FUBINACA 3-methylbutanoic acid	ng/mL	
5-fluoro-PINACA 3,3-dimethylbutanoic acid	ng/mL	
FUBINACA 3,3-dimethylbutanoic acid	ng/mL	
APP-BINACA	ng/mL	
MDMB-4en-PINACA	ng/mL	
ADMB-CHMINACA	ng/mL	
Substance(s) known to interfere with the identity and/or quantity of the reported result: AB-CHMINACA		



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### Discontinued Tests

Test Code	Test Name	Alternative Test
5971B	Synthetic Cannabinoids Confirmation 2019 (Qualitative), Blood	No Alternate Tests Available