



Effective Date:  
Monday, May 16, 2016

## 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, May 16, 2016

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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 Updates

Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
5971B	Synthetic Cannabinoids Confirmation Panel 1 (Qualitative), Blood					•		•	
5970B	Synthetic Cannabinoids Confirmation Panel 2 (Qualitative), Blood					•		•	
5960B	Synthetic Cannabinoids Confirmation, Blood (Forensic)					•			
9560B	Synthetic Cannabinoids Screen (2016 Scope), Blood	•	•	•		•			



## Test Updates

### Test Changes

#### 5971B Synthetic Cannabinoids Confirmation Panel 1 (Qualitative), Blood

Summary of Changes: Scope of Analysis was changed.  
PX1, PX2 and APP-CHMINACA (PX3) were added.  
Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80352): PX1, 5F-ADBICA, AB-FUBINACA, PX2, 5F-ADB-PINACA, ADB-FUBINACA, AB-PINACA, ADBICA, ADB-PINACA, AB-CHMINACA, APP-CHMINACA (PX3), ADB-CHMINACA

Compound Name	Units	Reference Comment
PX1	ng/mL	<p>PX1 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. No studies have been performed to evaluate the pharmacological effects of this compound.</p> <p>This analyte has demonstrated instability under certain storage conditions which may be dependent upon matrix, pH, collection tube, and storage temperature. Negative results should be interpreted with caution.</p>
5F-ADBICA	ng/mL	<p>5F-ADBICA 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.</p>
AB-FUBINACA	ng/mL	<p>AB-FUBINACA 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. AB-FUBINACA binds to the same brain receptor as THC, the active component of marijuana, and has been shown to produce similar pharmacological effects.</p>
PX2	ng/mL	<p>PX2 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. No studies have been performed to evaluate the pharmacological effects of this compound.</p> <p>This analyte has demonstrated instability under certain storage conditions which may be dependent upon matrix, pH, collection tube, and storage temperature. Negative results should be interpreted with caution.</p>



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Compound Name	Units	Reference Comment
5F-ADB-PINACA	ng/mL	5F-ADB-PINACA 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.
ADB-FUBINACA	ng/mL	ADB-FUBINACA 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. ADB-FUBINACA binds to the same brain receptor as THC, the active component of marijuana, and has been shown to produce similar pharmacological effects.
AB-PINACA	ng/mL	AB-PINACA 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.
ADBICA	ng/mL	ADBICA 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.
ADB-PINACA	ng/mL	ADB-PINACA 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.
AB-CHMINACA	ng/mL	AB-CHMINACA 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.



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Compound Name	Units	Reference Comment
APP-CHMINACA (PX3)	ng/mL	APP-CHMINACA 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 the same brain receptor as THC, the active component of marijuana.
ADB-CHMINACA	ng/mL	ADB-CHMINACA 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 the same brain receptor as THC, the active component of marijuana

### 5970B Synthetic Cannabinoids Confirmation Panel 2 (Qualitative), Blood

Summary of Changes: Scope of Analysis was changed.  
5F-ADB, FUB-JWH-018, AMB, MMB-CHMINACA (MDMB-CHMICA), NM-2201, FUB-144, MA-CHMINACA, EG-2201, 5F-AMB and FUB-AMB were added.  
Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80352): MN-25, 5F-AMB, 5F-PB-22, FUB-AMB, FUB-PB-22, 5F-ADB, FUBIMINA, FUB-JWH-018, 5F-MN-18, AMB, PB-22, THJ-2201, MMB-CHMINACA (MDMB-CHMICA), 5F-APICA, NM-2201, FUB-144, MA-CHMINACA, BB-22, 5F-AB-001, 5F-APINACA (5F-AKB-48), MN-18, MDMB-CHMINACA, EG-2201, THJ-018, APICA, FUB-AKB-48, APINACA (AKB-48)

Compound Name	Units	Reference Comment
5F-AMB	ng/mL	5F-AMB 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. No studies have been performed to evaluate the pharmacological effects of this compound.  This analyte has demonstrated instability under certain storage conditions which may be dependent upon matrix, pH, collection tube, and storage temperature. Negative results should be interpreted with caution.
5F-PB-22	ng/mL	5F-PB-22 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.



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Compound Name	Units	Reference Comment
FUB-AMB	ng/mL	<p>FUB-AMB 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. No studies have been performed to evaluate the pharmacological effects of this compound.</p> <p>This analyte has demonstrated instability under certain storage conditions which may be dependent upon matrix, pH, collection tube, and storage temperature. Negative results should be interpreted with caution.</p>
5F-ADB	ng/mL	<p>5F-ADB 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. No studies have been performed to evaluate the pharmacological effects of this compound.</p>
FUBIMINA	ng/mL	<p>FUBIMINA 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.</p> <p>FUBIMINA has low binding affinity and virtually no activity at the same brain receptor as THC, the active component of marijuana. Additionally, it does not demonstrate cannabinoid like effects in mice.</p>
FUB-JWH-018	ng/mL	<p>FUB-JWH-018 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. No studies have been performed to evaluate the pharmacological effects of this compound.</p>
AMB	ng/mL	<p>AMB 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. No studies have been performed to evaluate the pharmacological effects of this compound.</p>
PB-22	ng/mL	<p>PB-22 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.</p>



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Compound Name	Units	Reference Comment
MMB-CHMINACA (MDMB-CHMICA)	ng/mL	MMB-CHMINACA 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. No studies have been performed to evaluate the pharmacological effects of this compound.
5F-APICA	ng/mL	5F-APICA 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.
NM-2201	ng/mL	NM-2201 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. No studies have been performed to evaluate the pharmacological effects of this compound.
FUB-144	ng/mL	FUB-144 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. No studies have been performed to evaluate the pharmacological effects of this compound.
MA-CHMINACA	ng/mL	MA-CHMINACA 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. No studies have been performed to evaluate the pharmacological effects of this compound.
BB-22	ng/mL	BB-22 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.



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Compound Name	Units	Reference Comment
5F-AB-001	ng/mL	<p>5F-AB-001 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. No studies have been performed to evaluate the pharmacological effects of this compound.</p> <p>This analyte has demonstrated instability under certain storage conditions which may be dependent upon matrix, pH, collection tube, and storage temperature. Negative results should be interpreted with caution.</p>
5F-APINACA (5F-AKB-48)	ng/mL	<p>5F-APINACA 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.</p>
EG-2201	ng/mL	<p>EG-2201 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. No studies have been performed to evaluate the pharmacological effects of this compound.</p>
APICA	ng/mL	<p>APICA 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.</p>

#### 5960B Synthetic Cannabinoids Confirmation, Blood (Forensic)

Summary of Changes: Scope of Analysis was changed.  
JWH-081 and JWH-210 were removed.

Scope of Analysis: LC-MS/MS (80352): AM-2201, XLR-11, JWH-018, JWH-122, UR-144  
Method (CPT Code)

#### 9560B Synthetic Cannabinoids Screen (2016 Scope), Blood





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### Test Changes

Summary of Changes: Test Name was changed.  
 Specimen Requirements were changed.  
 Scope of Analysis was changed.  
 PX1, PX2, 5F-AMB, FUB-AMB, 5F-ADB, FUB-JWH-018, APP-CHMINACA (PX3), AMB, FUB-144, NM-2201, MMB-CHMINACA (MDMB-CHMICA), MA-CHMINACA and EG-2201 were added.  
 Methods/CPT Codes were changed [LC-MS/MS QTRAP (80304)]  
 JWH-081 and JWH-210 were removed.

Specimen Requirements: 5 mL Blood  
 Transport Temperature: Refrigerated  
 Specimen Container: Lavender top tube (EDTA)  
 Light Protection: Not Required  
 Special Handling: None  
 Rejection Criteria: Green top tube (Sodium Heparin).  
 Scope of Analysis: LC-MS/MS QTRAP (80304): PX1, PX2, AB-FUBINACA, 5F-ADBICA, 5F-ADB-PINACA, ADB-FUBINACA, AB-PINACA, 5F-PB-22, 5F-AMB, FUB-AMB, FUB-PB-22, 5F-ADB, ADBICA, ADB-PINACA, AM-2201, AB-CHMINACA, FUB-JWH-018, APP-CHMINACA (PX3), FUBIMINA, 5F-MN-18, MN-25, ADB-CHMINACA, PB-22, THJ-2201, AMB, XLR-11, FUB-144, NM-2201, 5F-APICA, JWH-018, MMB-CHMINACA (MDMB-CHMICA), BB-22, MA-CHMINACA, 5F-AB-001, JWH-122, MDMB-CHMINACA, 5F-APINACA (5F-AKB-48), MN-18, THJ-018, UR-144, EG-2201, FUB-AKB-48, APICA, APINACA (AKB-48)

Compound Name	Units	Reference Comment
PX1	ng/mL	This analyte has demonstrated instability under certain storage conditions which may be dependent upon matrix, pH, collection tube, and storage temperature. Negative results should be interpreted with caution.
PX2	ng/mL	This analyte has demonstrated instability under certain storage conditions which may be dependent upon matrix, pH, collection tube, and storage temperature. Negative results should be interpreted with caution.
5F-AMB FUB-AMB	ng/mL ng/mL	This analyte has demonstrated instability under certain storage conditions which may be dependent upon matrix, pH, collection tube, and storage temperature. Negative results should be interpreted with caution.
5F-ADB FUB-JWH-018 APP-CHMINACA (PX3) AMB FUB-144 NM-2201	ng/mL ng/mL ng/mL ng/mL ng/mL ng/mL	



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Compound Name	Units	Reference Comment
MMB-CHMINACA (MDMB-CHMICA)	ng/mL	
MA-CHMINACA	ng/mL	
EG-2201	ng/mL	