



Effective Date:
Monday, March 05, 2018

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 05, 2018

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
1480U	Designer Opioids (2018 Scope) (Qualitative), Urine	•				•		•	
1480B	Designer Opioids (2018 Scope), Blood	•		•	•	•		•	
1480SP	Designer Opioids (2018 Scope), Serum/Plasma	•			•	•		•	
1487B	Methoxyacetyl fentanyl, cis/trans 3-Methylfentanyl, Cyclopropyl fentanyl (Quantitative Forensic Investigation), Blood								•
8155U	Postmortem Designer Opioids Add-On (Qualitative), Urine					•		•	
8155B	Postmortem Designer Opioids Add-On, Blood			•	•	•		•	
8155SP	Postmortem Designer Opioids Add-On, Serum/Plasma				•	•		•	



Test Updates

Test Changes

1480U Designer Opioids (2018 Scope) (Qualitative), Urine

Summary of Changes: Test Name was changed.
Scope of Analysis was changed.
cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl, Methoxyacetylfentanyl, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, 2-Furanylfentanyl, U-47700, U-49900, U-51754, Cyclopropylfentanyl and trans-3-Methylfentanyl were added.
Reference Comment was changed.
4-Methoxybutyryl Fentanyl, 4-Methylphenethyl Acetyl Fentanyl, AH-7921, alpha-Methyl Fentanyl, Beta-hydroxythiofentanyl, Butyryl Fentanyl/Isobutyryl Fentanyl, Furanyl Fentanyl, MT-45 and para-Fluorobutyryl Fentanyl/FIBF were removed.

Scope of Analysis: LC-MS/MS (80364): Methoxyacetylfentanyl, 4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, Acryl Fentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, U-49900, U-51754, Carfentanil, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl, Valeryl Fentanyl

Compound Name	Units	Reference Comment
Methoxyacetylfentanyl	ng/mL	Methoxyacetylfentanyl is a novel non-prescription synthetic opioid.
THF-F	ng/mL	THF-F is a novel non-prescription synthetic opioid.
meta-Methylmethoxyacetylfentanyl	ng/mL	Meta-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.
para-Methylmethoxyacetylfentanyl	ng/mL	Para-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.
para-Fluorofentanyl	ng/mL	Para-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Meta-fluorofentanyl
ortho-Fluorofentanyl	ng/mL	Ortho-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: ortho-fluorobutyrylfentanyl impurity
2-Furanylfentanyl	ng/mL	2-Furanylfentanyl is a novel non-prescription synthetic opioid.



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Compound Name	Units	Reference Comment
U-47700	ng/mL	U-47700 is a novel non-prescription synthetic opioid.
U-49900	ng/mL	U-49900 is a novel non-prescription synthetic opioid.
U-51754	ng/mL	U-51754 is a novel non-prescription synthetic opioid.
Carfentanil	ng/mL	Carfentanil is an opioid analgesic used to immobilize large animals. It is not approved for human use.
Cyclopropylfentanyl	ng/mL	Cyclopropylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Crotonylfentanyl impurity
trans-3-Methylfentanyl	ng/mL	Trans-3-Methylfentanyl is a novel non-prescription synthetic opioid. Trans-3-methylfentanyl is typically found in combination with its isomer, cis-3-methylfentanyl. Substance(s) known to interfere with the identity and/or quantity of the reported result: crotonyl fentanyl
cis-3-Methylfentanyl	ng/mL	Cis-3-Methylfentanyl is a novel non-prescription synthetic opioid. Cis-3-methylfentanyl is typically found in combination with its isomer, trans-3-methylfentanyl.
Isobutyrylfentanyl	ng/mL	Isobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: beta-methylfentanyl
Butyrylfentanyl	ng/mL	Butyrylfentanyl is a novel non-prescription synthetic opioid.
para-Fluoroisobutyrylfentanyl	ng/mL	FIBF is a novel non-prescription synthetic opioid.
para-Fluorobutyrylfentanyl	ng/mL	Para-fluorobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: meta-fluorobutyryl fentanyl



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Test Changes

1480B Designer Opioids (2018 Scope), Blood

Summary of Changes: Test Name was changed.
 Specimen Requirements (Transport Temperature) were changed.
 Specimen Requirements (Specimen Container) were changed.
 Specimen Requirements (Rejection Criteria) were changed.
 Stability was changed.
 Scope of Analysis was changed.
 meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, 2-Furanylfentanyl, Methoxyacetylfentanyl, THF-F, U-49900, U-51754, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl and para-Fluorobutyrylfentanyl were added.
 Reference Comment was changed.
 4-Methoxybutyryl Fentanyl, 4-Methylphenethyl Acetyl Fentanyl, AH-7921, alpha-Methyl Fentanyl, Beta-hydroxythiofentanyl, Butyryl Fentanyl/Isobutyryl Fentanyl, Furanyl Fentanyl, MT-45, para-Fluorobutyryl Fentanyl/FIBF and U-50488 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: 2 day(s)
 Frozen (-20 °C): 14 day(s)
 Scope of Analysis: LC-MS/MS (80364): Methoxyacetylfentanyl, 4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, Acryl Fentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, U-49900, U-51754, Carfentanil, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl, Valeryl Fentanyl

Compound Name	Units	Reference Comment
Methoxyacetylfentanyl	ng/mL	Methoxyacetylfentanyl is a novel non-prescription synthetic opioid.
THF-F	ng/mL	THF-F is a novel non-prescription synthetic opioid.
meta-Methylmethoxyacetylfentanyl	ng/mL	Meta-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.
para-Methylmethoxyacetylfentanyl	ng/mL	Para-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.



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Compound Name	Units	Reference Comment
Acryl Fentanyl	ng/mL	Acrylfentanyl is a novel non-prescription synthetic opioid.
para-Fluorofentanyl	ng/mL	Para-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Meta-fluorofentanyl
ortho-Fluorofentanyl	ng/mL	Ortho-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: ortho-fluorobutyrylfentanyl impurity
2-Furanylfentanyl	ng/mL	2-Furanylfentanyl is a novel non-prescription synthetic opioid.
U-49900	ng/mL	U-49900 is a novel non-prescription synthetic opioid.
U-51754	ng/mL	U-51754 is a novel non-prescription synthetic opioid.
Carfentanil	ng/mL	Carfentanil is an opioid analgesic used to immobilize large animals. It is not approved for human use.
Cyclopropylfentanyl	ng/mL	Cyclopropylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Crotonylfentanyl impurity
trans-3-Methylfentanyl	ng/mL	Trans-3-Methylfentanyl is a novel non-prescription synthetic opioid. Trans-3-methylfentanyl is typically found in combination with its isomer, cis-3-methylfentanyl. Substance(s) known to interfere with the identity and/or quantity of the reported result: crotonyl fentanyl
cis-3-Methylfentanyl	ng/mL	Cis-3-Methylfentanyl is a novel non-prescription synthetic opioid. Cis-3-methylfentanyl is typically found in combination with its isomer, trans-3-methylfentanyl.



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Compound Name	Units	Reference Comment
Isobutyrylfentanyl	ng/mL	Isobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: beta-methylfentanyl
Butyrylfentanyl	ng/mL	Butyrylfentanyl is a novel non-prescription synthetic opioid.
para-Fluoroisobutyrylfentanyl	ng/mL	FIBF is a novel non-prescription synthetic opioid.
para-Fluorobutyrylfentanyl	ng/mL	Para-fluorobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: meta-fluorobutyryl fentanyl

1480SP Designer Opioids (2018 Scope), Serum/Plasma

Summary of Changes: Test Name was changed.
Stability was changed.
Scope of Analysis was changed.
meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, 2-Furanylfentanyl, U-49900, U-51754, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl, Methoxyacetylfentanyl and THF-F were added.
Reference Comment was changed.
4-Methoxybutyryl Fentanyl, 4-Methylphenethyl Acetyl Fentanyl, AH-7921, alpha-Methyl Fentanyl, Beta-hydroxythiofentanyl, Butyryl Fentanyl/Isobutyryl Fentanyl, Furanyl Fentanyl, MT-45, para-Fluorobutyryl Fentanyl/FIBF and U-50488 were removed.

Stability: Room Temperature: 1 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)

Scope of Analysis: LC-MS/MS (80364): Methoxyacetylfentanyl, 4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, Acryl Fentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, U-49900, U-51754, Carfentanil, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl, Valeryl Fentanyl

Compound Name	Units	Reference Comment
Methoxyacetylfentanyl	ng/mL	Methoxyacetylfentanyl is a novel non-prescription synthetic opioid.



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Compound Name	Units	Reference Comment
THF-F	ng/mL	THF-F is a novel non-prescription synthetic opioid.
meta-Methylmethoxyacetylfentanyl	ng/mL	Meta-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.
para-Methylmethoxyacetylfentanyl	ng/mL	Para-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.
Acryl Fentanyl	ng/mL	Acrylfentanyl is a novel non-prescription synthetic opioid.
para-Fluorofentanyl	ng/mL	Para-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Meta-fluorofentanyl
ortho-Fluorofentanyl	ng/mL	Ortho-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: ortho-fluorobutyrylfentanyl impurity
2-Furanylfentanyl	ng/mL	2-Furanylfentanyl is a novel non-prescription synthetic opioid.
U-49900	ng/mL	U-49900 is a novel non-prescription synthetic opioid.
U-51754	ng/mL	U-51754 is a novel non-prescription synthetic opioid.
Carfentanil	ng/mL	Carfentanil is an opioid analgesic used to immobilize large animals. It is not approved for human use.
Cyclopropylfentanyl	ng/mL	Cyclopropylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Crotonylfentanyl impurity



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Compound Name	Units	Reference Comment
trans-3-Methylfentanyl	ng/mL	Trans-3-Methylfentanyl is a novel non-prescription synthetic opioid. Trans-3-methylfentanyl is typically found in combination with its isomer, cis-3-methylfentanyl. Substance(s) known to interfere with the identity and/or quantity of the reported result: crotonyl fentanyl
cis-3-Methylfentanyl	ng/mL	Cis-3-Methylfentanyl is a novel non-prescription synthetic opioid. Cis-3-methylfentanyl is typically found in combination with its isomer, trans-3-methylfentanyl.
Isobutyrylfentanyl	ng/mL	Isobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: beta-methylfentanyl
Butyrylfentanyl	ng/mL	Butyrylfentanyl is a novel non-prescription synthetic opioid.
para-Fluoroisobutyrylfentanyl	ng/mL	FIBF is a novel non-prescription synthetic opioid.
para-Fluorobutyrylfentanyl	ng/mL	Para-fluorobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: meta-fluorobutyryl fentanyl

8155U Postmortem Designer Opioids Add-On (Qualitative), Urine

Summary of Changes: Scope of Analysis was changed.
meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, 2-Furanylfentanyl, U-47700, U-49900, U-51754, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl, Methoxyacetylfentanyl and THF-F were added.
Reference Comment was changed.
4-Methoxybutyryl Fentanyl, 4-Methylphenethyl Acetyl Fentanyl, AH-7921, alpha-Methyl Fentanyl, Beta-hydroxythiofentanyl, Butyryl Fentanyl/Isobutyryl Fentanyl, Furanyl Fentanyl, MT-45 and para-Fluorobutyryl Fentanyl/FIBF were removed.



Test Updates

Test Changes

Scope of Analysis: LC-MS/MS (80364): Methoxyacetylfentanyl, 4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, Acryl Fentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, U-49900, U-51754, Carfentanil, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl, Valeryl Fentanyl

Compound Name	Units	Reference Comment
Methoxyacetylfentanyl	ng/mL	Methoxyacetylfentanyl is a novel non-prescription synthetic opioid.
THF-F	ng/mL	THF-F is a novel non-prescription synthetic opioid.
meta-Methylmethoxyacetylfentanyl	ng/mL	Meta-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.
para-Methylmethoxyacetylfentanyl	ng/mL	Para-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.
Acryl Fentanyl	ng/mL	Acrylfentanyl is a novel non-prescription synthetic opioid.
para-Fluorofentanyl	ng/mL	Para-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Meta-fluorofentanyl
ortho-Fluorofentanyl	ng/mL	Ortho-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: ortho-fluorobutyrylfentanyl impurity
2-Furanylfentanyl	ng/mL	2-Furanylfentanyl is a novel non-prescription synthetic opioid.
U-47700	ng/mL	U-47700 is a novel non-prescription synthetic opioid.
U-49900	ng/mL	U-49900 is a novel non-prescription synthetic opioid.
U-51754	ng/mL	U-51754 is a novel non-prescription synthetic opioid.
Carfentanil	ng/mL	Carfentanil is an opioid analgesic used to immobilize large animals. It is not approved for human use.



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Compound Name	Units	Reference Comment
Cyclopropylfentanyl	ng/mL	Cyclopropylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Crotonylfentanyl impurity
trans-3-Methylfentanyl	ng/mL	Trans-3-Methylfentanyl is a novel non-prescription synthetic opioid. Trans-3-methylfentanyl is typically found in combination with its isomer, cis-3-methylfentanyl. Substance(s) known to interfere with the identity and/or quantity of the reported result: crotonyl fentanyl
cis-3-Methylfentanyl	ng/mL	Cis-3-Methylfentanyl is a novel non-prescription synthetic opioid. Cis-3-methylfentanyl is typically found in combination with its isomer, trans-3-methylfentanyl.
Isobutyrylfentanyl	ng/mL	Isobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: beta-methylfentanyl
Butyrylfentanyl	ng/mL	Butyrylfentanyl is a novel non-prescription synthetic opioid.
para-Fluoroisobutyrylfentanyl	ng/mL	FIBF is a novel non-prescription synthetic opioid.
para-Fluorobutyrylfentanyl	ng/mL	Para-fluorobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: meta-fluorobutyryl fentanyl

8155B Postmortem Designer Opioids Add-On, Blood

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.
Scope of Analysis was changed.
Methoxyacetylfentanyl, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, 2-Furanylfentanyl, U-49900, U-51754, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl,



Test Updates

Test Changes

Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl and para-Fluorobutyrylfentanyl were added.
Reference Comment was changed.
4-Methoxybutyryl Fentanyl, 4-Methylphenethyl Acetyl Fentanyl, AH-7921, alpha-Methyl Fentanyl, Beta-hydroxythiofentanyl, Butyryl Fentanyl/Isobutyryl Fentanyl, Furanyl Fentanyl, MT-45, para-Fluorobutyryl Fentanyl/FIBF and U-50488 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: 2 day(s)
 Frozen (-20 °C): 14 day(s)
 Scope of Analysis: LC-MS/MS (80364): Methoxyacetylfentanyl, 4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, Acryl Fentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, U-49900, U-51754, Carfentanil, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl, Valeryl Fentanyl

Compound Name	Units	Reference Comment
Methoxyacetylfentanyl	ng/mL	Methoxyacetylfentanyl is a novel non-prescription synthetic opioid.
THF-F	ng/mL	THF-F is a novel non-prescription synthetic opioid.
meta-Methylmethoxyacetylfentanyl	ng/mL	Meta-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.
para-Methylmethoxyacetylfentanyl	ng/mL	Para-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.
Acryl Fentanyl	ng/mL	Acrylfentanyl is a novel non-prescription synthetic opioid.
para-Fluorofentanyl	ng/mL	Para-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Meta-fluorofentanyl



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Compound Name	Units	Reference Comment
ortho-Fluorofentanyl	ng/mL	Ortho-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: ortho-fluorobutyrylfentanyl impurity
2-Furanylfentanyl	ng/mL	2-Furanylfentanyl is a novel non-prescription synthetic opioid.
U-49900	ng/mL	U-49900 is a novel non-prescription synthetic opioid.
U-51754	ng/mL	U-51754 is a novel non-prescription synthetic opioid.
Carfentanil	ng/mL	Carfentanil is an opioid analgesic used to immobilize large animals. It is not approved for human use.
Cyclopropylfentanyl	ng/mL	Cyclopropylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Crotonylfentanyl impurity
trans-3-Methylfentanyl	ng/mL	Trans-3-Methylfentanyl is a novel non-prescription synthetic opioid. Trans-3-methylfentanyl is typically found in combination with its isomer, cis-3-methylfentanyl. Substance(s) known to interfere with the identity and/or quantity of the reported result: crotonyl fentanyl
cis-3-Methylfentanyl	ng/mL	Cis-3-Methylfentanyl is a novel non-prescription synthetic opioid. Cis-3-methylfentanyl is typically found in combination with its isomer, trans-3-methylfentanyl.
Isobutyrylfentanyl	ng/mL	Isobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: beta-methylfentanyl
Butyrylfentanyl	ng/mL	Butyrylfentanyl is a novel non-prescription synthetic opioid.
para-Fluoroisobutyrylfentanyl	ng/mL	FIBF is a novel non-prescription synthetic opioid.



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Compound Name	Units	Reference Comment
para-Fluorobutyrylfentanyl	ng/mL	Para-fluorobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: meta-fluorobutyryl fentanyl

8155SP Postmortem Designer Opioids Add-On, Serum/Plasma

Summary of Changes: Stability was changed.
Scope of Analysis was changed.
Methoxyacetylfentanyl, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, 2-Furanylfentanyl, U-49900, U-51754, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl and para-Fluorobutyrylfentanyl were added.
Reference Comment was changed.
4-Methoxybutyryl Fentanyl, 4-Methylphenethyl Acetyl Fentanyl, AH-7921, alpha-Methyl Fentanyl, Beta-hydroxythiofentanyl, Butyryl Fentanyl/Isobutyryl Fentanyl, Furanyl Fentanyl, MT-45, para-Fluorobutyryl Fentanyl/FIBF and U-50488 were removed.

Stability: Room Temperature: 1 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)

Scope of Analysis: LC-MS/MS (80364): Methoxyacetylfentanyl, 4-ANPP, THF-F, meta-Methylmethoxyacetylfentanyl, para-Methylmethoxyacetylfentanyl, Acryl Fentanyl, para-Fluorofentanyl, ortho-Fluorofentanyl, 2-Furanylfentanyl, U-47700, U-49900, U-51754, Carfentanil, Cyclopropylfentanyl, trans-3-Methylfentanyl, cis-3-Methylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl, Valeryl Fentanyl

Compound Name	Units	Reference Comment
Methoxyacetylfentanyl	ng/mL	Methoxyacetylfentanyl is a novel non-prescription synthetic opioid.
THF-F	ng/mL	THF-F is a novel non-prescription synthetic opioid.
meta-Methylmethoxyacetylfentanyl	ng/mL	Meta-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.
para-Methylmethoxyacetylfentanyl	ng/mL	Para-Methylmethoxyacetylfentanyl is a novel non-prescription synthetic opioid.
Acryl Fentanyl	ng/mL	Acrylfentanyl is a novel non-prescription synthetic opioid.



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Compound Name	Units	Reference Comment
para-Fluorofentanyl	ng/mL	Para-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Meta-fluorofentanyl
ortho-Fluorofentanyl	ng/mL	Ortho-Fluorofentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: ortho-fluorobutyrylfentanyl impurity
2-Furanylfentanyl	ng/mL	2-Furanylfentanyl is a novel non-prescription synthetic opioid.
U-49900	ng/mL	U-49900 is a novel non-prescription synthetic opioid.
U-51754	ng/mL	U-51754 is a novel non-prescription synthetic opioid.
Carfentanil	ng/mL	Carfentanil is an opioid analgesic used to immobilize large animals. It is not approved for human use.
Cyclopropylfentanyl	ng/mL	Cyclopropylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: Crotonylfentanyl impurity
trans-3-Methylfentanyl	ng/mL	Trans-3-Methylfentanyl is a novel non-prescription synthetic opioid. Trans-3-methylfentanyl is typically found in combination with its isomer, cis-3-methylfentanyl. Substance(s) known to interfere with the identity and/or quantity of the reported result: crotonyl fentanyl
cis-3-Methylfentanyl	ng/mL	Cis-3-Methylfentanyl is a novel non-prescription synthetic opioid. Cis-3-methylfentanyl is typically found in combination with its isomer, trans-3-methylfentanyl.
Isobutyrylfentanyl	ng/mL	Isobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: beta-methylfentanyl



Effective Date:
Monday, March 05, 2018

Test Updates

Test Changes

Compound Name	Units	Reference Comment
Butyrylfentanyl	ng/mL	Butyrylfentanyl is a novel non-prescription synthetic opioid.
para-Fluoroisobutyrylfentanyl	ng/mL	FIBF is a novel non-prescription synthetic opioid.
para-Fluorobutyrylfentanyl	ng/mL	Para-fluorobutyrylfentanyl is a novel non-prescription synthetic opioid. Substance(s) known to interfere with the identity and/or quantity of the reported result: meta-fluorobutyryl fentanyl



Effective Date:

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Test Updates

Discontinued Tests

Test Code	Test Name	Alternative Test
1487B	Methoxyacetyl fentanyl, cis/trans 3-Methylfentanyl, Cyclopropyl fentanyl (Quantitative Forensic Investigation), Blood	1480B - Designer Opioids (2018 Scope), Blood