



Effective Date:
Tuesday, May 29, 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 Tuesday, May 29, 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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Tuesday, May 29, 2018

Test Updates

Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
54458B	DUID/DRE Designer Opioids (2018 Scope) Confirmation, Blood (Forensic)	•				•		•	
54458U	DUID/DRE Designer Opioids (2018 Scope) Confirmation, Urine (Forensic)	•				•		•	
52500B	Designer Opioids (2018 Scope) Confirmation, Blood (Forensic)	•				•		•	
52500SP	Designer Opioids (2018 Scope) Confirmation, Serum/Plasma (Forensic)	•				•		•	
52500U	Designer Opioids (2018 Scope) Confirmation, Urine (Forensic)	•				•		•	
1450SP	Drug-Facilitated Sexual Assault Screen, Serum/Plasma (Forensic)								•
1452B	Drug-Facilitated Sexual Assault Survey 2, Blood (Forensic)								•
1452U	Drug-Facilitated Sexual Assault Survey 2, Urine (Forensic)								•
5101U	Gamma-Hydroxybutyric Acid Confirmation, Urine					•			



Test Updates

Test Changes

54458B DUID/DRE Designer Opioids (2018 Scope) Confirmation, Blood (Forensic)

Summary of Changes: Test Name was changed.
Scope of Analysis was changed.
2-Furanylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl and para-Fluorobutyrylfentanyl were added.
Reference Comment was changed.
Furanyl Fentanyl, Butyryl Fentanyl / Isobutyryl Fentanyl and para-Fluorobutyryl Fentanyl / FIBF were removed.

Scope of Analysis: LC-MS/MS (80364): 4-ANPP, Acryl Fentanyl, 2-Furanylfentanyl, U-47700,
Method (CPT Code) Carfentanil, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl

Compound Name	Units	Reference Comment
4-ANPP	ng/mL	4-ANPP (despropionylfentanyl) is a precursor chemical used in the production of fentanyl/fentanyl related compounds and is also a fentanyl metabolite and may be a metabolite of other fentanyl-related compounds. It is considered to be pharmacologically weak.
Acryl Fentanyl	ng/mL	Acrylfentanyl is a novel non-prescription synthetic opioid.
2-Furanylfentanyl	ng/mL	2-Furanylfentanyl 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.
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

54458U DUID/DRE Designer Opioids (2018 Scope) Confirmation, Urine (Forensic)



Test Updates

Test Changes

Summary of Changes: Test Name was changed.
Scope of Analysis was changed.
Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, 2-Furanylfentanyl, Isobutyrylfentanyl and para-Fluorobutyrylfentanyl were added.
Reference Comment was changed.
Furanyl Fentanyl, Butyryl Fentanyl / Isobutyryl Fentanyl and para-Fluorobutyryl Fentanyl / FIBF were removed.

Scope of Analysis: LC-MS/MS (80364): 4-ANPP, Acryl Fentanyl, 2-Furanylfentanyl, Carfentanil,
Method (CPT Code) Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl

Compound Name	Units	Reference Comment
4-ANPP	ng/mL	4-ANPP (despropionylfentanyl) is a precursor chemical used in the production of fentanyl/fentanyl related compounds and is also a fentanyl metabolite and may be a metabolite of other fentanyl-related compounds. It is considered to be pharmacologically weak.
Acryl Fentanyl	ng/mL	Acrylfentanyl is a novel non-prescription synthetic opioid.
2-Furanylfentanyl	ng/mL	2-Furanylfentanyl 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.
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

52500B Designer Opioids (2018 Scope) Confirmation, Blood (Forensic)



Test Updates

Test Changes

Summary of Changes: Test Name was changed.
 Scope of Analysis was changed.
 Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl, 2-Furanylfentanyl and Isobutyrylfentanyl were added.
 Reference Comment was changed.
 Furanyl Fentanyl, Butyryl Fentanyl / Isobutyryl Fentanyl and para-Fluorobutyryl Fentanyl / FIBF were removed.

Scope of Analysis: LC-MS/MS (80364): 4-ANPP, Acryl Fentanyl, 2-Furanylfentanyl, U-47700,
 Method (CPT Code) Carfentanil, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl

Compound Name	Units	Reference Comment
4-ANPP	ng/mL	4-ANPP (despropionylfentanyl) is a precursor chemical used in the production of fentanyl/fentanyl related compounds and is also a fentanyl metabolite and may be a metabolite of other fentanyl-related compounds. It is considered to be pharmacologically weak.
Acryl Fentanyl	ng/mL	Acrylfentanyl is a novel non-prescription synthetic opioid.
2-Furanylfentanyl	ng/mL	2-Furanylfentanyl 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.
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

52500SP Designer Opioids (2018 Scope) Confirmation, Serum/Plasma (Forensic)



Test Updates

Test Changes

Summary of Changes: Test Name was changed.
Scope of Analysis was changed.
Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl, 2-Furanylfentanyl and Isobutyrylfentanyl were added.
Reference Comment was changed.
Furanyl Fentanyl, Butyryl Fentanyl / Isobutyryl Fentanyl and para-Fluorobutyryl Fentanyl / FIBF were removed.

Scope of Analysis: LC-MS/MS (80364): 4-ANPP, Acryl Fentanyl, 2-Furanylfentanyl, U-47700,
Method (CPT Code) Carfentanil, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl

Compound Name	Units	Reference Comment
4-ANPP	ng/mL	4-ANPP (despropionylfentanyl) is a precursor chemical used in the production of fentanyl/fentanyl related compounds and is also a fentanyl metabolite and may be a metabolite of other fentanyl-related compounds. It is considered to be pharmacologically weak.
Acryl Fentanyl	ng/mL	Acrylfentanyl is a novel non-prescription synthetic opioid.
2-Furanylfentanyl	ng/mL	2-Furanylfentanyl 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.
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

52500U Designer Opioids (2018 Scope) Confirmation, Urine (Forensic)



Test Updates

Test Changes

Summary of Changes: Test Name was changed.
 Scope of Analysis was changed.
 2-Furanylfentanyl, Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl and para-Fluorobutyrylfentanyl were added.
 Reference Comment was changed.
 Furanyl Fentanyl, Butyryl Fentanyl / Isobutyryl Fentanyl and para-Fluorobutyryl Fentanyl / FIBF were removed.

Scope of Analysis: LC-MS/MS (80364): 4-ANPP, Acryl Fentanyl, 2-Furanylfentanyl, Carfentanil,
 Method (CPT Code) Isobutyrylfentanyl, Butyrylfentanyl, para-Fluoroisobutyrylfentanyl, para-Fluorobutyrylfentanyl

Compound Name	Units	Reference Comment
4-ANPP	ng/mL	4-ANPP (despropionylfentanyl) is a precursor chemical used in the production of fentanyl/fentanyl related compounds and is also a fentanyl metabolite and may be a metabolite of other fentanyl-related compounds. It is considered to be pharmacologically weak.
Acryl Fentanyl	ng/mL	Acrylfentanyl is a novel non-prescription synthetic opioid.
2-Furanylfentanyl	ng/mL	2-Furanylfentanyl 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.
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

5101U Gamma-Hydroxybutyric Acid Confirmation, Urine



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Test Changes

Summary of Changes: Scope of Analysis was changed.
Creatinine and Gamma-Hydroxybutyric Acid (Creatinine corrected) were added.

Scope of Analysis: Colorimetry (82570): Creatinine
Method (CPT Code) GC/MS (83921): Gamma-Hydroxybutyric Acid, Gamma-Hydroxybutyric Acid (Creatinine corrected)

Compound Name	Units	Reference Comment
Creatinine	mg/L	U.S. Population (10th - 90th percentiles, median) All participants: 335 - 2370 mg/L, median 1180 (n=22,245) Males: 495 - 2540 mg/L, median 1370 (n=10,610) Females: 273 - 2170 mg/L, median 994 (n=11,635)
Gamma-Hydroxybutyric Acid (Creatinine corrected)	mg/g Creat	Endogenous creatinine corrected results did not exceed 10 mg/g among unexposed pregnant females (n=66), non-pregnant females (n=105) and males (n=22) in three peer reviewed studies.



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Test Updates

Discontinued Tests

Test Code	Test Name	Alternative Test
1450SP	Drug-Facilitated Sexual Assault Screen, Serum/Plasma (Forensic)	8030SP - Drug Facilitated Crime Panel, Serum/Plasma (Forensic)
1452B	Drug-Facilitated Sexual Assault Survey 2, Blood (Forensic)	8030B - Drug Facilitated Crime Panel, Blood (Forensic)
1452U	Drug-Facilitated Sexual Assault Survey 2, Urine (Forensic)	8030U - Drug Facilitated Crime Panel, Urine (Forensic)