



Effective Date:

Monday, August 14, 2017

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, August 14, 2017

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
1021B	Substituted Cathinone Panel, Blood			•	•	•			
1021SP	Substituted Cathinone Panel, Serum/Plasma			•	•	•			
1021U	Substituted Cathinone Panel, Urine				•	•			
4800U	Warfarin, Urine								•



Test Updates

Test Changes

1021B Substituted Cathinone Panel, Blood

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.
Scope of Analysis was changed.
N-Ethyl Pentylone and Dibutylone were added.
Flephedrone and 3-FMC were removed.

Specimen Requirements: 2 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: Received Room Temperature.
Stability: Room Temperature: 2 day(s)
Refrigerated: 28 day(s)
Frozen (-20 °C): 28 day(s)
Scope of Analysis: LC-MS/MS (80371): Pentylone, Ethylone, Butylone, Dibutylone, N-Ethyl Pentylone
Method (CPT Code)

Compound Name	Units	Reference Comment
Dibutylone	ng/mL	Dibutylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Butylone may be present due to being a potential metabolite of dibutylone; butylone itself is also considered a novel psychoactive substance. It has been identified in some 'bath salt' or 'research chemical' type products for euphoric and empathogenic effects. The drug is usually taken orally, but can also be insufflated or vaporized.
N-Ethyl Pentylone	ng/mL	N-Ethyl Pentylone is a substituted cathinone structurally similar to pentylone. It is sold as a novel psychoactive substance. Due to its structural similarities to pentylone, N-Ethyl Pentylone is expected to have stimulant type effects. N-Ethyl Pentylone was reported as the sole intoxicant in a fatality where an individual was agitated and displayed erratic behavior followed by cardiac arrest; other symptoms included rhabdomyolysis, hypoglycemia, hepatic and renal injury, respiratory failure, and disseminated intravascular coagulation.

1021SP Substituted Cathinone Panel, Serum/Plasma



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Test Updates

Test Changes

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.
Scope of Analysis was changed.
N-Ethyl Pentylone and Dibutylone were added.
Flephedrone and 3-FMC were removed.

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Yes
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Not received Light Protected. Received Room Temperature. Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 1 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 28 day(s)
Scope of Analysis: LC-MS/MS (80371): Pentylone, Ethylone, Butylone, Dibutylone, N-Ethyl Pentylone
Method (CPT Code)

Compound Name	Units	Reference Comment
Dibutylone	ng/mL	Dibutylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Butylone may be present due to being a potential metabolite of dibutylone; butylone itself is also considered a novel psychoactive substance. It has been identified in some 'bath salt' or 'research chemical' type products for euphoric and empathogenic effects. The drug is usually taken orally, but can also be insufflated or vaporized.
N-Ethyl Pentylone	ng/mL	N-Ethyl Pentylone is a substituted cathinone structurally similar to pentylone. It is sold as a novel psychoactive substance. Due to its structural similarities to pentylone, N-Ethyl Pentylone is expected to have stimulant type effects. N-Ethyl Pentylone was reported as the sole intoxicant in a fatality where an individual was agitated and displayed erratic behavior followed by cardiac arrest; other symptoms included rhabdomyolysis, hypoglycemia, hepatic and renal injury, respiratory failure, and disseminated intravascular coagulation.



Test Updates

Test Changes

1021U Substituted Cathinone Panel, Urine

Summary of Changes: Stability was changed.
Scope of Analysis was changed.
Dibutylone and N-Ethyl Pentylone were added.
Flephedrone and 3-FMC were removed.

Stability: Room Temperature: 1 day(s)
Refrigerated: 28 day(s)
Frozen (-20 °C): 28 day(s)

Scope of Analysis: LC-MS/MS (80371): Pentylone, Ethylone, Butylone, Dibutylone, N-Ethyl Pentylone
Method (CPT Code)

Compound Name	Units	Reference Comment
Dibutylone	ng/mL	Dibutylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Butylone may be present due to being a potential metabolite of dibutylone; butylone itself is also considered a novel psychoactive substance. It has been identified in some 'bath salt' or 'research chemical' type products for euphoric and empathogenic effects. The drug is usually taken orally, but can also be insufflated or vaporized.
N-Ethyl Pentylone	ng/mL	N-Ethyl Pentylone is a substituted cathinone structurally similar to pentylone. It is sold as a novel psychoactive substance. Due to its structural similarities to pentylone, N-Ethyl Pentylone is expected to have stimulant type effects. N-Ethyl Pentylone was reported as the sole intoxicant in a fatality where an individual was agitated and displayed erratic behavior followed by cardiac arrest; other symptoms included rhabdomyolysis, hypoglycemia, hepatic and renal injury, respiratory failure, and disseminated intravascular coagulation.



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Test Updates

Discontinued Tests

Test Code	Test Name	Alternative Test
4800U	Warfarin, Urine	4800B - Warfarin, Blood 4800SP - Warfarin, Serum/Plasma