



Effective Date:

Monday, March 19, 2012

New Tests and 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 19, 2012

New Tests - Tests recently added to the NMS Labs test menu. *New Tests are effective immediately.*

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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New Tests and Test Updates

Test Code	Test Name	New Test	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
8665B	6-Monoacetylmorphine - Free (Unconjugated), Blood				•	•	•			
8665FL	6-Monoacetylmorphine - Free (Unconjugated), Fluid				•		•			
8665SP	6-Monoacetylmorphine - Free (Unconjugated), Serum/Plasma				•	•	•			
8665U	6-Monoacetylmorphine - Free (Unconjugated), Urine				•	•	•			
2626B	Bath Salts Panel, Blood	•								
2626SP	Bath Salts Panel, Serum/Plasma	•								
8065B	Bath Salts Screen, Blood (Forensic)	•								
8065FL	Bath Salts Screen, Fluid (Forensic)	•								
8065SP	Bath Salts Screen, Serum/Plasma (Forensic)	•								
8065TI	Bath Salts Screen, Tissue (Forensic)	•								
8065U	Bath Salts Screen, Urine (Forensic)	•								
8085B	Drug Impaired Driving/DRE Toxicology Bath Salts Add-On, Blood (Forensic)	•								
8085SP	Drug Impaired Driving/DRE Toxicology Bath Salts Add-On, Serum/Plasma (Forensic)	•								
8085U	Drug Impaired Driving/DRE Toxicology Bath Salts Add-On, Urine (Forensic)	•								
2624B	Drug Impaired Driving/DRE Toxicology Designer Stimulants Add-On, Blood									•
2624U	Drug Impaired Driving/DRE Toxicology Designer Stimulants Add-On, Urine									•
54009U	Drug Impaired Driving/DRE Toxicology Heroin Metabolite - Free (Unconjugated) Confirmation, Urine (Forensic)				•	•	•			
54006B	Drug Impaired Driving/DRE Toxicology Opiates - Free (Unconjugated) Confirmation, Blood (Forensic)				•					
54006SP	Drug Impaired Driving/DRE Toxicology Opiates - Free (Unconjugated) Confirmation, Serum/Plasma (Forensic)				•					
5686B	Heroin - Free (Unconjugated) Confirmation, Blood				•		•			
5686SP	Heroin - Free (Unconjugated) Confirmation, Serum/Plasma				•	•	•			



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5707U	Heroin - Free (Unconjugated) Confirmation, Urine				•	•	•			
2276B	Heroin - Free (Unconjugated), Blood				•	•	•			
2276SP	Heroin - Free (Unconjugated), Serum/Plasma				•	•	•			
2276U	Heroin - Free (Unconjugated), Urine				•	•	•			
52265U	Heroin Metabolite - Free (Unconjugated) Confirmation, Urine (CSA)				•	•	•			
50019U	Heroin Metabolite - Free (Unconjugated) Confirmation, Urine (Forensic)				•	•	•			
9343B	Heroin Screen, Blood				•					
9343SP	Heroin Screen, Serum/Plasma				•					
9343U	Heroin Screen, Urine				•					
2588B	MDPV Stimulant Designer Drug Test, Blood				•	•				
2588SP	MDPV Stimulant Designer Drug Test, Serum/Plasma				•	•				
2623B	Mephedrone & MDPV Stimulants Designer Drug Test, Blood									•
2615B	Mephedrone Stimulant Designer Drug Test, Blood				•	•				
2615SP	Mephedrone Stimulant Designer Drug Test, Serum/Plasma				•	•				
5645B	Opiates - Free (Unconjugated) Confirmation, Blood				•					
5946B	Opiates - Free (Unconjugated) Confirmation, Blood (CSA)				•					
50016B	Opiates - Free (Unconjugated) Confirmation, Blood (Forensic)				•					
5645FL	Opiates - Free (Unconjugated) Confirmation, Fluid				•					
50016FL	Opiates - Free (Unconjugated) Confirmation, Fluid (Forensic)				•					
5645SP	Opiates - Free (Unconjugated) Confirmation, Serum/Plasma				•					
5946SP	Opiates - Free (Unconjugated) Confirmation, Serum/Plasma (CSA)				•					
50016SP	Opiates - Free (Unconjugated) Confirmation, Serum/Plasma (Forensic)				•					
8660B	Opiates - Free (Unconjugated), Blood				•					
3241B	Opiates - Free (Unconjugated), Blood (Forensic)				•					



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Test Code	Test Name	New Test	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
8660FL	Opiates - Free (Unconjugated), Fluid				•					
3241FL	Opiates - Free (Unconjugated), Fluid (Forensic)				•					
8660SP	Opiates - Free (Unconjugated), Serum/Plasma				•					
3241SP	Opiates - Free (Unconjugated), Serum/Plasma (Forensic)				•					
8660TI	Opiates - Free (Unconjugated), Tissue				•					
8660U	Opiates - Free (Unconjugated), Urine				•					
8671B	Opiates - Free and Total, Blood				•					
8671SP	Opiates - Free and Total, Serum/Plasma				•					
8671U	Opiates - Free and Total, Urine				•					
52258U	Opiates - Total and 6-MAM - Free Confirmation, Urine (CSA)				•					
8058B	Postmortem Toxicology - Basic Plus, Blood (Forensic) (CSA)				•					



New Tests and Test Updates

New Tests

2626B	Bath Salts Panel, Blood	Effective Immediately
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Scope of Analysis: MDPV [LC-MS/MS], Mephedrone [LC-MS/MS], Methylone [LC-MS/MS]
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
 Purpose: Identification and quantitation
 Category: Stimulant
 Specimen Requirements: 1 mL Blood
 Minimum Volume: 0.4 mL
 Special Handling: None
 Specimen Container: Light Blue top tube (Sodium Citrate)
 Transport Temperature: Refrigerated
 Light Protection: Not Required
 Rejection Criteria: Received Room Temperature.
 Stability: Room Temperature: 2 day(s)
 Refrigerated: 30 day(s)
 Frozen (-20 °C): 30 day(s)

Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Set-Up Days / TAT: Monday 2nd Shift 3 days (after set-up)
 CPT Code: 83789

Compound Name / Alias	Units	RL	Reference Comment
Mephedrone 4-MMC; 4-methyl-N-methcathinone; 4-methylmethcathinone; Meow Meow; Sunshine; synthetic stimulant	ng/mL	10	Mephedrone is a psychoactive phenethylamine derivative that is structurally related to methcathinone and amphetamine. It is abused for its perceived 'ecstasy like' effects of euphoria, excitement and alertness. Reported adverse effects include peripheral vasoconstriction resulting in a bruised appearance on the arms and legs, loss of appetite, poor concentration, increased heart rate, sweating with an odor, and dilation of the pupils. In two fatalities where mephedrone intoxication was determined to be the cause of death blood concentrations were 22000 ng/mL and 3300 ng/mL.
MDPV 1-(1,3-benzodioxol-5-yl)-2-pyrrolidin-1-ylpentan-1-one; Bath salts; MDPK; Magic; Mtv; Peevee; Super Coke	ng/mL	10	MDPV is a synthetic stimulant reported to have effects similar to methylphenidate at low doses and cocaine at high doses. Desired outcomes following use include increased energy and sociability, increased concentration, psychedelic effects and sexual stimulation. Based on an in vitro human liver microsome study, 80% of MDPV may remain unchanged in the urine, while 7% is metabolized to catechol pyrovalerone and 10% to methylcatechol pyrovalerone. Reported adverse effects include insomnia, severe agitation/anxiety, panic attacks, kidney pain, stomach cramps, tachycardia, hypertension, dilated pupils, headache, tinnitus, and peripheral neuropathies and dizziness.
Methylone 3,4-methylenedioxy-n-methylcathinone, bk-MDMA; Explosion; MDMC	ng/mL	5.0	Methylone is the main ingredient in the designer drug Explosion that was described in the Netherlands in 2005. Methylone is generally sold as a powder to be taken orally or insufflated. Methylone acts as an inhibitor of dopamine, norepinephrine and serotonin reuptake and may have stimulating effects on the central nervous system. Euphoria, agitation, sweating, nausea, vomiting, dilated pupils, seizures, hyponatremia and confusion were reported in two cases after the use of bath salt products found to contain methylone. Other substances may have been present.



New Tests and Test Updates

New Tests

2626SP	Bath Salts Panel, Serum/Plasma	Effective Immediately
Scope of Analysis:	MDPV [LC-MS/MS], Mephedrone [LC-MS/MS], Methylone [LC-MS/MS]	
Method(s):	High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)	
Purpose:	Identification and quantitation	
Category:	Stimulant	
Specimen Requirements:	1 mL Serum or Plasma	
Minimum Volume:	0.4 mL	
Special Handling:	Serum is not recommended because the citrate anticoagulant is needed to enhance stability. Plasma: Collect sample in Light Blue top tube (Sodium Citrate) Promptly centrifuge and separate Plasma into a plastic screw capped vial using approved guidelines.	
Specimen Container:	Plastic container (preservative-free)	
Transport Temperature:	Refrigerated	
Light Protection:	Not Required	
Rejection Criteria:	Received Room Temperature. Polymer gel separation tube (SST or PST).	
Stability:	Room Temperature: 1 day(s) Refrigerated: 14 day(s) Frozen (-20 °C): 30 day(s)	

Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Set-Up Days / TAT: Monday 2nd Shift 3 days (after set-up)
CPT Code: 83789

Compound Name / Alias	Units	RL	Reference Comment
Mephedrone 4-MMC; 4-methyl-N-methcathinone; 4-methylmethcathinone; Meow Meow; Sunshine; synthetic stimulan	ng/mL	10	Mephedrone is a psychoactive phenethylamine derivative that is structurally related to methcathinone and amphetamine. It is abused for its perceived 'ecstasy like' effects of euphoria, excitement and alertness. Reported adverse effects include peripheral vasoconstriction resulting in a bruised appearance on the arms and legs, loss of appetite, poor concentration, increased heart rate, sweating with an odor, and dilation of the pupils. In two fatalities where mephedrone intoxication was determined to be the cause of death blood concentrations were 22000 ng/mL and 3300 ng/mL. The ratio of whole blood concentration to serum or plasma concentration is unknown for this analyte.
MDPV 1-(1,3-benzodioxol-5-yl)-2-pyrrolidin-1-ylpentan-1-one; Bath salts; MDPK; Magic; Mtv; Peevee; Super Coke	ng/mL	10	MDPV is a synthetic stimulant reported to have effects similar to methylphenidate at low doses and cocaine at high doses. Desired outcomes following use include increased energy and sociability, increased concentration, psychedelic effects and sexual stimulation. Based on an in vitro human liver microsome study, 80% of MDPV may remain unchanged in the urine, while 7% is metabolized to catechol pyrovalerone and 10% to methylcatechol pyrovalerone. Reported adverse effects include insomnia, severe agitation/anxiety, panic attacks, kidney pain, stomach cramps, tachycardia, hypertension, dilated pupils, headache, tinnitus, and peripheral neuropathies and dizziness.



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Compound Name / Alias	Units	RL	Reference Comment
Methylone 3,4-methylenedioxy-n-methylcathinone, bk-MDMA; Explosion; MDMC	ng/mL	5.0	Methylone is the main ingredient in the designer drug Explosion that was described in the Netherlands in 2005. Methylone is generally sold as a powder to be taken orally or insufflated. Methylone acts as an inhibitor of dopamine, norepinephrine and serotonin reuptake and may have stimulating effects on the central nervous system. Euphoria, agitation, sweating, nausea, vomiting, dilated pupils, seizures, hyponatremia and confusion were reported in two cases after the use of bath salt products found to contain methylone. Other substances may have been present.

8065B Bath Salts Screen, Blood (Forensic) Effective Immediately

Scope of Analysis: MDPV [LC-MS/MS], Mephedrone [LC-MS/MS], Methylone [LC-MS/MS]
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
 Purpose: Forensic Analysis
 Category: Stimulant
 Specimen Requirements: 2 mL Blood
 Minimum Volume: 0.8 mL
 Special Handling: None
 Specimen Container: Light Blue top tube (Sodium Citrate)
 Transport Temperature: Refrigerated
 Light Protection: Not Required
 Rejection Criteria: Received Room Temperature.
 Stability: Room Temperature: 2 day(s)
 Refrigerated: 30 day(s)
 Frozen (-20 °C): 30 day(s)

Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Set-Up Days / TAT: Monday 2nd Shift 3 days (after set-up)
 CPT Code: 80100

Compound Name / Alias	Units	RL	Reference Comment
Mephedrone 4-MMC; 4-methyl-N-methcathinone; 4-methylmethcathinone; Meow Meow; Sunshine; synthetic stimulant	ng/mL	10	Mephedrone is a psychoactive phenethylamine derivative that is structurally related to methcathinone and amphetamine. It is abused for its perceived 'ecstasy like' effects of euphoria, excitement and alertness. Reported adverse effects include peripheral vasoconstriction resulting in a bruised appearance on the arms and legs, loss of appetite, poor concentration, increased heart rate, sweating with an odor, and dilation of the pupils. In two fatalities where mephedrone intoxication was determined to be the cause of death blood concentrations were 22000 ng/mL and 3300 ng/mL.
MDPV 1-(1,3-benzodioxol-5-yl)-2-pyrrolidin-1-ylpentan-1-one; Bath salts; MDPK; Magic; Mtv; Peevee; Super Coke	ng/mL	10	MDPV is a synthetic stimulant reported to have effects similar to methylphenidate at low doses and cocaine at high doses. Desired outcomes following use include increased energy and sociability, increased concentration, psychedelic effects and sexual stimulation. Based on an in vitro human liver microsome study, 80% of MDPV may remain unchanged in the urine, while 7% is metabolized to catechol pyrovalerone and 10% to methylcatechol pyrovalerone. Reported adverse effects include insomnia, severe agitation/anxiety, panic attacks, kidney pain, stomach cramps, tachycardia, hypertension, dilated pupils, headache, tinnitus, and peripheral neuropathies and dizziness.



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Compound Name / Alias	Units	RL	Reference Comment
Methylone 3,4-methylenedioxy-n-methylcathinone, bk-MDMA; Explosion; MDMC	ng/mL	5.0	Methylone is the main ingredient in the designer drug Explosion that was described in the Netherlands in 2005. Methylone is generally sold as a powder to be taken orally or insufflated. Methylone acts as an inhibitor of dopamine, norepinephrine and serotonin reuptake and may have stimulating effects on the central nervous system. Euphoria, agitation, sweating, nausea, vomiting, dilated pupils, seizures, hyponatremia and confusion were reported in two cases after the use of bath salt products found to contain methylone. Other substances may have been present.

8065FL	Bath Salts Screen, Fluid (Forensic)	Effective Immediately
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Scope of Analysis: MDPV [LC-MS/MS], Mephedrone [LC-MS/MS], Methylone [LC-MS/MS]
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
 Purpose: Forensic Analysis
 Category: Stimulant
 Specimen Requirements: 2 mL Fluid
 Minimum Volume: 0.8 mL
 Special Handling: None
 Specimen Container: Plastic container (preservative-free)
 Transport Temperature: Refrigerated
 Light Protection: Not Required
 Rejection Criteria: None
 Stability: Room Temperature: Undetermined
 Refrigerated: Undetermined
 Frozen (-20 °C): Undetermined

Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Set-Up Days / TAT: Monday 2nd Shift 3 days (after set-up)
 CPT Code: 80100

Compound Name / Alias	Units	RL	Reference Comment
Mephedrone 4-MMC; 4-methyl-N-methcathinone; 4-methylmethcathinone; Meow Meow; Sunshine; synthetic stimulant	ng/mL	10	Mephedrone is a psychoactive phenethylamine derivative that is structurally related to methcathinone and amphetamine. It is abused for its perceived 'ecstasy like' effects of euphoria, excitement and alertness. Reported adverse effects include peripheral vasoconstriction resulting in a bruised appearance on the arms and legs, loss of appetite, poor concentration, increased heart rate, sweating with an odor, and dilation of the pupils.
MDPV 1-(1,3-benzodioxol-5-yl)-2-pyrrolidin-1-ylpentan-1-one; Bath salts; MDPK; Magic; Mtv; Peevee; Super Coke	ng/mL	10	MDPV is a synthetic stimulant reported to have effects similar to methylphenidate at low doses and cocaine at high doses. Desired outcomes following use include increased energy and sociability, increased concentration, psychedelic effects and sexual stimulation. Based on an in vitro human liver microsome study, 80% of MDPV may remain unchanged in the urine, while 7% is metabolized to catechol pyrovalerone and 10% to methylcatechol pyrovalerone. Reported adverse effects include insomnia, severe agitation/anxiety, panic attacks, kidney pain, stomach cramps, tachycardia, hypertension, dilated pupils, headache, tinnitus, and peripheral neuropathies and dizziness.



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Compound Name / Alias	Units	RL	Reference Comment
Methylone 3,4-methylenedioxy-n-methylcathinone, bk-MDMA; Explosion; MDMC	ng/mL	5.0	Methylone is the main ingredient in the designer drug Explosion that was described in the Netherlands in 2005. Methylone is generally sold as a powder to be taken orally or insufflated. Methylone acts as an inhibitor of dopamine, norepinephrine and serotonin reuptake and may have stimulating effects on the central nervous system. Euphoria, agitation, sweating, nausea, vomiting, dilated pupils, seizures, hyponatremia and confusion were reported in two cases after the use of bath salt products found to contain methylone. Other substances may have been present.

8065SP Bath Salts Screen, Serum/Plasma (Forensic) Effective Immediately

Scope of Analysis: MDPV [LC-MS/MS], Mephedrone [LC-MS/MS], Methylone [LC-MS/MS]
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
 Purpose: Forensic Analysis
 Category: Stimulant
 Specimen Requirements: 2 mL Serum or Plasma
 Minimum Volume: 0.8 mL
 Special Handling: Serum is not recommended because the citrate anticoagulant is needed to enhance stability.
 Plasma: Collect sample in Light Blue top tube (Sodium Citrate)
 Promptly centrifuge and separate Plasma into a plastic screw capped vial using approved guidelines.
 Specimen Container: Plastic container (preservative-free)
 Transport Temperature: Refrigerated
 Light Protection: Not Required
 Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).
 Stability: Room Temperature: 1 day(s)
 Refrigerated: 14 day(s)
 Frozen (-20 °C): 30 day(s)

Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Set-Up Days / TAT: Monday 2nd Shift 3 days (after set-up)
 CPT Code: 80100

Compound Name / Alias	Units	RL	Reference Comment
Mephedrone 4-MMC; 4-methyl-N-methcathinone; 4-methylmethcathinone; Meow Meow; Sunshine; synthetic stimulant	ng/mL	10	Mephedrone is a psychoactive phenethylamine derivative that is structurally related to methcathinone and amphetamine. It is abused for its perceived 'ecstasy like' effects of euphoria, excitement and alertness. Reported adverse effects include peripheral vasoconstriction resulting in a bruised appearance on the arms and legs, loss of appetite, poor concentration, increased heart rate, sweating with an odor, and dilation of the pupils. In two fatalities where mephedrone intoxication was determined to be the cause of death blood concentrations were 22000 ng/mL and 3300 ng/mL. The ratio of whole blood concentration to serum or plasma concentration is unknown for this analyte.
MDPV 1-(1,3-benzodioxol-5-yl)-2-pyrrolidin-1-ylpentan-1-one; Bath salts; MDPK; Magic; Mtv; Peevee; Super Coke	ng/mL	10	MDPV is a synthetic stimulant reported to have effects similar to methylphenidate at low doses and cocaine at high doses. Desired outcomes following use include increased energy and sociability, increased concentration, psychedelic effects and sexual stimulation. Based on an in vitro human liver microsome study, 80% of MDPV may remain unchanged in the urine, while 7% is metabolized to catechol pyrovalerone and 10% to methylcatechol pyrovalerone. Reported adverse effects include insomnia, severe agitation/anxiety, panic attacks, kidney pain, stomach cramps, tachycardia, hypertension, dilated pupils, headache, tinnitus, and peripheral neuropathies and dizziness.



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Compound Name / Alias	Units	RL	Reference Comment
Methylone 3,4-methylenedioxy-n-methylcathinone, bk-MDMA; Explosion; MDMC	ng/mL	5.0	Methylone is the main ingredient in the designer drug Explosion that was described in the Netherlands in 2005. Methylone is generally sold as a powder to be taken orally or insufflated. Methylone acts as an inhibitor of dopamine, norepinephrine and serotonin reuptake and may have stimulating effects on the central nervous system. Euphoria, agitation, sweating, nausea, vomiting, dilated pupils, seizures, hyponatremia and confusion were reported in two cases after the use of bath salt products found to contain methylone. Other substances may have been present.

8065TI	Bath Salts Screen, Tissue (Forensic)	Effective Immediately
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Scope of Analysis: MDPV [LC-MS/MS], Mephedrone [LC-MS/MS], Methylone [LC-MS/MS]
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
 Purpose: Forensic Analysis
 Category: Stimulant
 Specimen Requirements: 10 g Tissue
 Minimum Volume: 10 g
 Special Handling: None
 Specimen Container: Plastic container (preservative-free)
 Transport Temperature: Refrigerated
 Light Protection: Not Required
 Rejection Criteria: None
 Stability: Room Temperature: Undetermined
 Refrigerated: Undetermined
 Frozen (-20 °C): Undetermined

Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Set-Up Days / TAT: Monday 2nd Shift 3 days (after set-up)
 CPT Code: 80100

Compound Name / Alias	Units	RL	Reference Comment
Mephedrone 4-MMC; 4-methyl-N-methcathinone; 4-methylmethcathinone; Meow Meow; Sunshine; synthetic stimulant	ng/g	10	Mephedrone is a psychoactive phenethylamine derivative that is structurally related to methcathinone and amphetamine. It is abused for its perceived 'ecstasy like' effects of euphoria, excitement and alertness. Reported adverse effects include peripheral vasoconstriction resulting in a bruised appearance on the arms and legs, loss of appetite, poor concentration, increased heart rate, sweating with an odor, and dilation of the pupils.
MDPV 1-(1,3-benzodioxol-5-yl)-2-pyrrolidin-1-ylpentan-1-one; Bath salts; MDPK; Magic; Mtv; Peevee; Super Coke	ng/g	10	MDPV is a synthetic stimulant reported to have effects similar to methylphenidate at low doses and cocaine at high doses. Desired outcomes following use include increased energy and sociability, increased concentration, psychedelic effects and sexual stimulation. Based on an in vitro human liver microsome study, 80% of MDPV may remain unchanged in the urine, while 7% is metabolized to catechol pyrovalerone and 10% to methylcatechol pyrovalerone. Reported adverse effects include insomnia, severe agitation/anxiety, panic attacks, kidney pain, stomach cramps, tachycardia, hypertension, dilated pupils, headache, tinnitus, and peripheral neuropathies and dizziness.



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Compound Name / Alias	Units	RL	Reference Comment
Methylone 3,4-methylenedioxy-n-methylcathinone, bk-MDMA; Explosion; MDMC	ng/g	5.0	Methylone is the main ingredient in the designer drug Explosion that was described in the Netherlands in 2005. Methylone is generally sold as a powder to be taken orally or insufflated. Methylone acts as an inhibitor of dopamine, norepinephrine and serotonin reuptake and may have stimulating effects on the central nervous system. Euphoria, agitation, sweating, nausea, vomiting, dilated pupils, seizures, hyponatremia and confusion were reported in two cases after the use of bath salt products found to contain methylone. Other substances may have been present.

8065U	Bath Salts Screen, Urine (Forensic)	Effective Immediately
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Scope of Analysis: MDPV [LC-MS/MS], Mephedrone [LC-MS/MS], Methylone [LC-MS/MS]
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
 Purpose: Forensic Analysis
 Category: Stimulant
 Specimen Requirements: 1 mL Urine
 Minimum Volume: 0.44 mL
 Special Handling: None
 Specimen Container: Plastic container (preservative-free)
 Transport Temperature: Refrigerated
 Light Protection: Not Required
 Rejection Criteria: Received Room Temperature.
 Stability: Room Temperature: 1 day(s)
 Refrigerated: 7 day(s)
 Frozen (-20 °C): 30 day(s)

Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Set-Up Days / TAT: Monday 2nd Shift 3 days (after set-up)
 CPT Code: 80100

Compound Name / Alias	Units	RL	Reference Comment
Mephedrone 4-MMC; 4-methyl-N-methcathinone; 4-methylmethcathinone; Meow Meow; Sunshine; synthetic stimulant	ng/mL	100	Mephedrone is a psychoactive phenethylamine derivative that is structurally related to methcathinone and amphetamine. It is abused for its perceived 'ecstasy like' effects of euphoria, excitement and alertness. Reported adverse effects include peripheral vasoconstriction resulting in a bruised appearance on the arms and legs, loss of appetite, poor concentration, increased heart rate, sweating with an odor, and dilation of the pupils.
MDPV 1-(1,3-benzodioxol-5-yl)-2-pyrrolidin-1-ylpentan-1-one; Bath salts; MDPK; Magic; Mtv; Peevee; Super Coke	ng/mL	100	MDPV is a synthetic stimulant reported to have effects similar to methylphenidate at low doses and cocaine at high doses. Desired outcomes following use include increased energy and sociability, increased concentration, psychedelic effects and sexual stimulation. Based on an in vitro human liver microsome study, 80% of MDPV may remain unchanged in the urine, while 7% is metabolized to catechol pyrovalerone and 10% to methylcatechol pyrovalerone. Reported adverse effects include insomnia, severe agitation/anxiety, panic attacks, kidney pain, stomach cramps, tachycardia, hypertension, dilated pupils, headache, tinnitus, and peripheral neuropathies and dizziness.



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Compound Name / Alias	Units	RL	Reference Comment
Methylone 3,4-methylenedioxy-n-methylcathinone, bk-MDMA; Explosion; MDMC	ng/mL	50	<p>Methylone is the main ingredient in the designer drug Explosion that was described in the Netherlands in 2005. Methylone is generally sold as a powder to be taken orally or insufflated. Methylone acts as an inhibitor of dopamine, norepinephrine and serotonin reuptake and may have stimulating effects on the central nervous system.</p> <p>Euphoria, agitation, sweating, nausea, vomiting, dilated pupils, seizures, hyponatremia and confusion were reported in two cases after the use of bath salt products found to contain methylone.</p> <p>Other substances may have been present.</p> <p>The major metabolite detected in human urine is conjugated 4-hydroxy-3-methoxymethcathinone (HMMA). 48 ng/mL total methylone was detected in a methylone abuser's urine 36 hours following an unknown oral dose.</p>

8085B	Drug Impaired Driving/DRE Toxicology Bath Salts Add-On, Blood (Forensic)	Effective Immediately
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Scope of Analysis: MDPV [LC-MS/MS], Mephedrone [LC-MS/MS], Methylone [LC-MS/MS]
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
 Purpose: Forensic Analysis
 Category: Stimulant
 Specimen Requirements: 2 mL Blood
 Minimum Volume: 0.8 mL
 Special Handling: None
 Specimen Container: Light Blue top tube (Sodium Citrate)
 Transport Temperature: Refrigerated
 Light Protection: Not Required
 Rejection Criteria: Received Room Temperature.
 Stability: Room Temperature: 2 day(s)
 Refrigerated: 30 day(s)
 Frozen (-20 °C): 30 day(s)

Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Set-Up Days / TAT: Monday 2nd Shift 3 days (after set-up)
 CPT Code: 80100

Compound Name / Alias	Units	RL	Reference Comment
Mephedrone 4-MMC; 4-methyl-N-methcathinone; 4-methylmethcathinone; Meow Meow; Sunshine; synthetic stimulant	ng/mL	10	<p>Mephedrone is a psychoactive phenethylamine derivative that is structurally related to methcathinone and amphetamine. It is abused for its perceived 'ecstasy like' effects of euphoria, excitement and alertness.</p> <p>Reported adverse effects include peripheral vasoconstriction resulting in a bruised appearance on the arms and legs, loss of appetite, poor concentration, increased heart rate, sweating with an odor, and dilation of the pupils.</p> <p>In two fatalities where mephedrone intoxication was determined to be the cause of death blood concentrations were 22000 ng/mL and 3300 ng/mL.</p>



Effective Date:

Monday, March 19, 2012

New Tests and Test Updates

New Tests

Compound Name / Alias	Units	RL	Reference Comment
MDPV 1-(1,3-benzodioxol-5-yl)-2-pyrrolidin-1-ylpentan-1-one; Bath salts; MDPK; Magic; Mtv; Peevee; Super Coke	ng/mL	10	MDPV is a synthetic stimulant reported to have effects similar to methylphenidate at low doses and cocaine at high doses. Desired outcomes following use include increased energy and sociability, increased concentration, psychedelic effects and sexual stimulation. Based on an in vitro human liver microsome study, 80% of MDPV may remain unchanged in the urine, while 7% is metabolized to catechol pyrovalerone and 10% to methylcatechol pyrovalerone. Reported adverse effects include insomnia, severe agitation/anxiety, panic attacks, kidney pain, stomach cramps, tachycardia, hypertension, dilated pupils, headache, tinnitus, and peripheral neuropathies and dizziness.
Methylone 3,4-methylenedioxy-n-methylcathinone, bk-MDMA; Explosion; MDMC; MDMC;	ng/mL	5.0	Methylone is the main ingredient in the designer drug Explosion that was described in the Netherlands in 2005. Methylone is generally sold as a powder to be taken orally or insufflated. Methylone acts as an inhibitor of dopamine, norepinephrine and serotonin reuptake and may have stimulating effects on the central nervous system. Euphoria, agitation, sweating, nausea, vomiting, dilated pupils, seizures, hyponatremia and confusion were reported in two cases after the use of bath salt products found to contain methylone. Other substances may have been present.

8085SP	Drug Impaired Driving/DRE Toxicology Bath Salts Add-On, Serum/Plasma (Forensic)	Effective Immediately
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Scope of Analysis: MDPV [LC-MS/MS], Mephedrone [LC-MS/MS], Methylone [LC-MS/MS]
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
 Purpose: Forensic Analysis
 Category: Stimulant
 Specimen Requirements: 2 mL Serum or Plasma
 Minimum Volume: 0.8 mL
 Special Handling: Serum is not recommended because the citrate anticoagulant is needed to enhance stability.
 Plasma: Collect sample in Light Blue top tube (Sodium Citrate)
 Promptly centrifuge and separate Plasma into a plastic screw capped vial using approved guidelines.
 Specimen Container: Plastic container (preservative-free)
 Transport Temperature: Refrigerated
 Light Protection: Not Required
 Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).
 Stability: Room Temperature: 1 day(s)
 Refrigerated: 14 day(s)
 Frozen (-20 °C): 30 day(s)

Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Set-Up Days / TAT: Monday 2nd Shift 3 days (after set-up)
 CPT Code: 80100

Compound Name / Alias	Units	RL	Reference Comment
Mephedrone 4-MMC; 4-methyl-N-methcathinone; 4-methylmethcathinone; Meow Meow; Sunshine; synthetic stimulant	ng/mL	10	Mephedrone is a psychoactive phenethylamine derivative that is structurally related to methcathinone and amphetamine. It is abused for its perceived 'ecstasy like' effects of euphoria, excitement and alertness. Reported adverse effects include peripheral vasoconstriction resulting in a bruised appearance on the arms and legs, loss of appetite, poor concentration, increased heart rate, sweating with an odor, and dilation of the pupils. In two fatalities where mephedrone intoxication was determined to be the cause of death blood concentrations were 22000 ng/mL and 3300 ng/mL. The ratio of whole blood concentration to serum or plasma concentration is unknown for this analyte.



New Tests and Test Updates

New Tests

Compound Name / Alias	Units	RL	Reference Comment
MDPV 1-(1,3-benzodioxol-5-yl)-2-pyrrolidin-1-ylpentan-1-one; Bath salts; MDPK; Magic; Mtv; Peevee; Super Coke	ng/mL	10	MDPV is a synthetic stimulant reported to have effects similar to methylphenidate at low doses and cocaine at high doses. Desired outcomes following use include increased energy and sociability, increased concentration, psychedelic effects and sexual stimulation. Based on an in vitro human liver microsome study, 80% of MDPV may remain unchanged in the urine, while 7% is metabolized to catechol pyrovalerone and 10% to methylcatechol pyrovalerone. Reported adverse effects include insomnia, severe agitation/anxiety, panic attacks, kidney pain, stomach cramps, tachycardia, hypertension, dilated pupils, headache, tinnitus, and peripheral neuropathies and dizziness.
Methylone Explosion; MDMC; bk-MDMA	ng/mL	5.0	Methylone is the main ingredient in the designer drug Explosion that was described in the Netherlands in 2005. Methylone is generally sold as a powder to be taken orally or insufflated. Methylone acts as an inhibitor of dopamine, norepinephrine and serotonin reuptake and may have stimulating effects on the central nervous system. Euphoria, agitation, sweating, nausea, vomiting, dilated pupils, seizures, hyponatremia and confusion were reported in two cases after the use of bath salt products found to contain methylone. Other substances may have been present.

8085U	Drug Impaired Driving/DRE Toxicology Bath Salts Add-On, Urine (Forensic)	Effective Immediately
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Scope of Analysis: MDPV [LC-MS/MS], Mephedrone [LC-MS/MS], Methylone [LC-MS/MS]
 Method(s): High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)
 Purpose: Forensic Analysis
 Category: Stimulant
 Specimen Requirements: 1 mL Urine
 Minimum Volume: 0.44 mL
 Special Handling: None
 Specimen Container: Plastic container (preservative-free)
 Transport Temperature: Refrigerated
 Light Protection: Not Required
 Rejection Criteria: Received Room Temperature.
 Stability: Room Temperature: 1 day(s)
 Refrigerated: 7 day(s)
 Frozen (-20 °C): 30 day(s)

Method: High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

Set-Up Days / TAT: Monday 2nd Shift 3 days (after set-up)
 CPT Code: 80100

Compound Name / Alias	Units	RL	Reference Comment
Mephedrone 4-MMC; 4-methyl-N-methcathinone; 4-methylmethcathinone; synthetic stimulant; Meow Meow; Sunshine	ng/mL	100	Mephedrone is a psychoactive phenethylamine derivative that is structurally related to methcathinone and amphetamine. It is abused for its perceived 'ecstasy like' effects of euphoria, excitement and alertness. Reported adverse effects include peripheral vasoconstriction resulting in a bruised appearance on the arms and legs, loss of appetite, poor concentration, increased heart rate, sweating with an odor, and dilation of the pupils.



Effective Date:

Monday, March 19, 2012

New Tests and Test Updates

New Tests

Compound Name / Alias	Units	RL	Reference Comment
MDPV 1-(1,3-benzodioxol-5-yl)-2-pyrrolidin-1-ylpentan-1-one; Bath salts; MDPK; Magic; Mtv; Peevee; Super Coke	ng/mL	100	<p>MDPV is a synthetic stimulant reported to have effects similar to methylphenidate at low doses and cocaine at high doses. Desired outcomes following use include increased energy and sociability, increased concentration, psychedelic effects and sexual stimulation.</p> <p>Based on an in vitro human liver microsome study, 80% of MDPV may remain unchanged in the urine, while 7% is metabolized to catechol pyrovalerone and 10% to methylcatechol pyrovalerone.</p> <p>Reported adverse effects include insomnia, severe agitation/anxiety, panic attacks, kidney pain, stomach cramps, tachycardia, hypertension, dilated pupils, headache, tinnitus, and peripheral neuropathies and dizziness.</p>
Methylone 3,4-methylenedioxy-n-methylcathinone, bk-MDMA; Explosion; MDMC	ng/mL	50	<p>Methylone is the main ingredient in the designer drug Explosion that was described in the Netherlands in 2005. Methylone is generally sold as a powder to be taken orally or insufflated. Methylone acts as an inhibitor of dopamine, norepinephrine and serotonin reuptake and may have stimulating effects on the central nervous system.</p> <p>Euphoria, agitation, sweating, nausea, vomiting, dilated pupils, seizures, hyponatremia and confusion were reported in two cases after the use of bath salt products found to contain methylone.</p> <p>Other substances may have been present.</p> <p>The major metabolite detected in human urine is conjugated 4-hydroxy-3-methoxymethylcathinone (HMMA). 48 ng/mL total methylone was detected in a methylone abuser's urine 36 hours following an unknown oral dose.</p>



New Tests and Test Updates

Test Changes

8665B 6-Monoacetylmorphine - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.
Stability was changed.
Scope of Analysis was changed.
6-Monoacetylmorphine - Free was changed to 6-MAM - Free

Specimen Requirements: 3 mL Blood
Transport Temperature: Frozen
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Gray top tube is the preferred container.
Rejection Criteria: Received Room Temperature. Received Refrigerated.
Stability: Room Temperature: Not Stable
Refrigerated: Not Stable
Frozen (-20 °C): 30 day(s)
Scope of Analysis: GC/MS (83925): Morphine - Free, 6-MAM - Free
Method (CPT Code)

8665FL 6-Monoacetylmorphine - Free (Unconjugated), Fluid

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Scope of Analysis was changed.
6-Monoacetylmorphine - Free was changed to 6-MAM - Free

Specimen Requirements: 3 mL Fluid
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Scope of Analysis: GC/MS (83925): Morphine - Free, 6-MAM - Free
Method (CPT Code)

8665SP 6-Monoacetylmorphine - Free (Unconjugated), Serum/Plasma

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.
Stability was changed.
Scope of Analysis was changed.
6-Monoacetylmorphine - Free was changed to 6-MAM - Free



New Tests and Test Updates

Test Changes

Specimen Requirements: 3 mL Serum or Plasma
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Gray top tube (Sodium Fluoride / Potassium Oxalate).
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Received Refrigerated. Polymer gel separation tube (SST or PST).
Stability: Room Temperature: Not Stable
Refrigerated: Not Stable
Frozen (-20 °C): 30 day(s)
Scope of Analysis: GC/MS (83925): Morphine - Free, 6-MAM - Free
Method (CPT Code)

8665U 6-Monoacetylmorphine - Free (Unconjugated), Urine

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Stability was changed.
Scope of Analysis was changed.
6-Monoacetylmorphine - Free was changed to 6-MAM - Free

Specimen Requirements: 3 mL Urine
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
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): 30 day(s)
Scope of Analysis: GC/MS (83925): Morphine - Free, 6-MAM - Free
Method (CPT Code)

54009U Drug Impaired Driving/DRE Toxicology Heroin Metabolite - Free (Unconjugated) Confirmation, Urine (Forensic)

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Stability was changed.
Scope of Analysis was changed.
6-Monoacetylmorphine - Free was changed to 6-MAM - Free



New Tests and Test Updates

Test Changes

Specimen Requirements: 3 mL Urine
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
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): 30 day(s)
Scope of Analysis: GC/MS (83925): 6-MAM - Free
Method (CPT Code)

54006B Drug Impaired Driving/DRE Toxicology Opiates - Free (Unconjugated) Confirmation, Blood (Forensic)

Summary of Changes: Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 3 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

54006SP Drug Impaired Driving/DRE Toxicology Opiates - Free (Unconjugated) Confirmation, Serum/Plasma (Forensic)

Summary of Changes: Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 3 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.



New Tests and Test Updates

Test Changes

Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites. Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.

Rejection Criteria: Polymer gel separation tube (SST or PST).

5686B Heroin - Free (Unconjugated) Confirmation, Blood

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.
Scope of Analysis was changed.
6-Monoacetylmorphine – Free was changed to 6-MAM – Free

Specimen Requirements: 3 mL Blood
Transport Temperature: Frozen
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Gray top tube is the preferred container.
Rejection Criteria: Received Room Temperature. Received Refrigerated.
Scope of Analysis: GC/MS (83925): Morphine - Free, 6-MAM - Free, Diacetylmorphine - Free
Method (CPT Code)

5686SP Heroin - Free (Unconjugated) Confirmation, Serum/Plasma

Summary of Changes: Specimen Requirements (Special Handling) were changed.
Stability was changed.
Scope of Analysis was changed.
6-Monoacetylmorphine – Free was changed to 6-MAM – Free

Specimen Requirements: 3 mL Serum or Plasma
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Gray top tube (Sodium Fluoride / Potassium Oxalate).
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Received Refrigerated. Polymer gel separation tube (SST or PST).
Stability: Room Temperature: Not Stable
Refrigerated: Not Stable
Frozen (-20 °C): 30 day(s)
Scope of Analysis: GC/MS (83925): Morphine - Free, 6-MAM - Free, Diacetylmorphine - Free
Method (CPT Code)



New Tests and Test Updates

Test Changes

5707U Heroin - Free (Unconjugated) Confirmation, Urine

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Stability was changed.
Scope of Analysis was changed.
6-Monoacetylmorphine – Free was changed to 6-MAM – Free

Specimen Requirements: 3 mL Urine
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
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): 30 day(s)
Scope of Analysis: GC/MS (83925): Morphine - Free, 6-MAM - Free, Diacetylmorphine - Free
Method (CPT Code)

2276B Heroin - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.
Stability was changed.
Scope of Analysis was changed.
6-Monoacetylmorphine - Free was changed to 6-MAM - Free

Specimen Requirements: 3 mL Blood
Transport Temperature: Frozen
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Gray top tube is the preferred container.
Rejection Criteria: Received Room Temperature. Received Refrigerated.
Stability: Room Temperature: Not Stable
Refrigerated: Not Stable
Frozen (-20 °C): 30 day(s)
Scope of Analysis: GC/MS (83925): Morphine - Free, 6-MAM - Free, Diacetylmorphine - Free
Method (CPT Code)

2276SP Heroin - Free (Unconjugated), Serum/Plasma



New Tests and Test Updates

Test Changes

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.
Stability was changed.
Scope of Analysis was changed.
6-Monoacetylmorphine - Free was changed to 6-MAM - Free

Specimen Requirements: 3 mL Serum or Plasma
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Gray top tube (Sodium Fluoride / Potassium Oxalate).
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Received Refrigerated. Polymer gel separation tube (SST or PST).
Stability: Room Temperature: Not Stable
Refrigerated: Not Stable
Frozen (-20 °C): 30 day(s)
Scope of Analysis: GC/MS (83925): Morphine - Free, 6-MAM - Free, Diacetylmorphine - Free
Method (CPT Code)

2276U Heroin - Free (Unconjugated), Urine

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Stability was changed.
Scope of Analysis was changed.
6-Monoacetylmorphine - Free was changed to 6-MAM - Free

Specimen Requirements: 3 mL Urine
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
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): 30 day(s)
Scope of Analysis: GC/MS (83925): Morphine - Free, 6-MAM - Free, Diacetylmorphine - Free
Method (CPT Code)

52265U Heroin Metabolite - Free (Unconjugated) Confirmation, Urine (CSA)



New Tests and Test Updates

Test Changes

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Stability was changed.
Scope of Analysis was changed.
6-Monoacetylmorphine - Free was changed to 6-MAM - Free

Specimen Requirements: 3 mL Urine
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
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): 30 day(s)
Scope of Analysis: GC/MS (83925): 6-MAM - Free
Method (CPT Code)

50019U Heroin Metabolite - Free (Unconjugated) Confirmation, Urine (Forensic)

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Stability was changed.
Scope of Analysis was changed.
6-Monoacetylmorphine - Free was changed to 6-MAM - Free

Specimen Requirements: 3 mL Urine
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
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): 30 day(s)
Scope of Analysis: GC/MS (83925): 6-MAM - Free
Method (CPT Code)

9343B Heroin Screen, Blood

Summary of Changes: Specimen Requirements (Specimen Container) were changed.



New Tests and Test Updates

Test Changes

Specimen Requirements: 4 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.

9343SP Heroin Screen, Serum/Plasma

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 4 mL Serum or Plasma
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Gray top tube (Sodium Fluoride / Potassium Oxalate).
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Received Refrigerated. Polymer gel separation tube (SST or PST).

9343U Heroin Screen, Urine

Summary of Changes: Specimen Requirements (Specimen Container) were changed.

Specimen Requirements: 4 mL Urine
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: Received Room Temperature. Received Refrigerated.

2588B MDPV Stimulant Designer Drug Test, Blood

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Stability was changed.



New Tests and Test Updates

Test Changes

Specimen Requirements: 1 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Light Blue top tube (Sodium Citrate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None
Stability: Room Temperature: 30 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)

2588SP MDPV Stimulant Designer Drug Test, Serum/Plasma

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Special Handling) were changed.
Stability was changed.

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum is not recommended because the citrate anticoagulant is needed to enhance stability.
Plasma: Collect sample in Light Blue top tube (Sodium Citrate)
Promptly centrifuge and separate Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 1 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)

2615B Mephedrone Stimulant Designer Drug Test, Blood

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Stability was changed.

Specimen Requirements: 1 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Light Blue top tube (Sodium Citrate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: Received Room Temperature.
Stability: Room Temperature: 2 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)



New Tests and Test Updates

Test Changes

2615SP Mephedrone Stimulant Designer Drug Test, Serum/Plasma

Summary of Changes: Specimen Requirements (Special Handling) were changed.
Stability was changed.

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum is not recommended because the citrate anticoagulant is needed to enhance stability.
Plasma: Collect sample in Light Blue top tube (Sodium Citrate)
Promptly centrifuge and separate Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 2 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)

5946B Opiates - Free (Unconjugated) Confirmation, Blood (CSA)

Summary of Changes: Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 3 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

50016B Opiates - Free (Unconjugated) Confirmation, Blood (Forensic)

Summary of Changes: Specimen Requirements (Special Handling) were changed.



New Tests and Test Updates

Test Changes

Specimen Requirements: 3 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

5645B Opiates - Free (Unconjugated) Confirmation, Blood

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 3 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

50016FL Opiates - Free (Unconjugated) Confirmation, Fluid (Forensic)

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 3 mL Fluid
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

5645FL Opiates - Free (Unconjugated) Confirmation, Fluid



New Tests and Test Updates

Test Changes

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 3 mL Fluid
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

5946SP Opiates - Free (Unconjugated) Confirmation, Serum/Plasma (CSA)

Summary of Changes: Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 3 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.
Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites. Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

50016SP Opiates - Free (Unconjugated) Confirmation, Serum/Plasma (Forensic)

Summary of Changes: Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 3 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.



New Tests and Test Updates

Test Changes

Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites. Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.

Rejection Criteria: Polymer gel separation tube (SST or PST).

5645SP Opiates - Free (Unconjugated) Confirmation, Serum/Plasma

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Special Handling) were changed.
Specimen Requirements (Rejection Criteria) were changed.

Specimen Requirements: 3 mL Serum or Plasma

Transport Temperature: Refrigerated

Specimen Container: Plastic container (preservative-free)

Light Protection: Not Required

Special Handling: Serum: Collect sample in Red top tube

Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.

Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.

Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.

Rejection Criteria: Polymer gel separation tube (SST or PST).

3241B Opiates - Free (Unconjugated), Blood (Forensic)

Summary of Changes: Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 4 mL Blood

Transport Temperature: Refrigerated

Specimen Container: Lavender top tube (EDTA)

Light Protection: Not Required

Special Handling: Submit with Chain of Custody.

Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.

Rejection Criteria: None

8660B Opiates - Free (Unconjugated), Blood



New Tests and Test Updates

Test Changes

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 3 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

3241FL Opiates - Free (Unconjugated), Fluid (Forensic)

Summary of Changes: Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 4 mL Fluid
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Submit with Chain of Custody.
Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

8660FL Opiates - Free (Unconjugated), Fluid

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 3 mL Fluid
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None



New Tests and Test Updates

Test Changes

3241SP Opiates - Free (Unconjugated), Serum/Plasma (Forensic)

Summary of Changes: Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 4 mL Serum or Plasma

Transport Temperature: Refrigerated

Specimen Container: Plastic container (preservative-free)

Light Protection: Not Required

Special Handling: Submit with Chain of Custody. Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.
Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.

Rejection Criteria: Polymer gel separation tube (SST or PST).

8660SP Opiates - Free (Unconjugated), Serum/Plasma

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 3 mL Serum or Plasma

Transport Temperature: Refrigerated

Specimen Container: Plastic container (preservative-free)

Light Protection: Not Required

Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.
Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.

Rejection Criteria: Polymer gel separation tube (SST or PST).

8660TI Opiates - Free (Unconjugated), Tissue

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.



New Tests and Test Updates

Test Changes

Specimen Requirements: 10 g Tissue
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

8660U Opiates - Free (Unconjugated), Urine

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 1 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

8671B Opiates - Free and Total, Blood

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 4 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

8671SP Opiates - Free and Total, Serum/Plasma



New Tests and Test Updates

Test Changes

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 4 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.
Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

8671U Opiates - Free and Total, Urine

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 2 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

52258U Opiates - Total and 6-MAM - Free Confirmation, Urine (CSA)

Summary of Changes: Specimen Requirements (Special Handling) were changed.



New Tests and Test Updates

Test Changes

Specimen Requirements: 4 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites.
Rejection Criteria: None

8058B Postmortem Toxicology - Basic Plus, Blood (Forensic) (CSA)

Summary of Changes: Specimen Requirements (Special Handling) were changed.

Specimen Requirements: 10 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: Note: Sample rejection criteria for this test is based on refrigerated conditions. While 6-MAM stability is best if frozen, positive findings are routinely found in non-frozen samples. If optimal stability is required for this analyte, freeze the specimen and order test 2276SP, 2276B or 2276U which includes Heroin and Metabolites. Collect sample using alcohol free skin preparation.
Rejection Criteria: None



Effective Date:

Monday, March 19, 2012

New Tests and Test Updates

Discontinued Tests

Test Code	Test Name	Alternative Test
2624B	Drug Impaired Driving/DRE Toxicology Designer Stimulants Add-On, Blood	8085B - Drug Impaired Driving/DRE Toxicology Bath Salts Add-On, Blood (Forensic)
2624U	Drug Impaired Driving/DRE Toxicology Designer Stimulants Add-On, Urine	8085U - Drug Impaired Driving/DRE Toxicology Bath Salts Add-On, Urine (Forensic)
2623B	Mephedrone & MDPV Stimulants Designer Drug Test, Blood	2626B - Bath Salts Panel, Blood