



Effective Date:
Monday, September 21, 2015

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, September 21, 2015

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.



Effective Date:
Monday, September 21, 2015

Test Updates

Test Code	Test Name	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			•					
8661B	Codeine and Metabolite - Free (Unconjugated), Blood			•					
8661SP	Codeine and Metabolite - Free (Unconjugated), Serum/Plasma			•					
8662B	Dihydrocodeine - Free (Unconjugated), Blood			•					
8662SP	Dihydrocodeine - Free (Unconjugated), Serum/Plasma			•					
1864U	Drugs of Abuse Screen (9 Panel), Urine			•					
5686B	Heroin Metabolites - Free (Unconjugated) Confirmation, Blood			•					
5686SP	Heroin Metabolites - Free (Unconjugated) Confirmation, Serum/Plasma			•					
5707U	Heroin Metabolites - Free (Unconjugated) Confirmation, Urine				•				
2276B	Heroin Metabolites - Free (Unconjugated), Blood			•					
2276SP	Heroin Metabolites - Free (Unconjugated), Serum/Plasma			•					
2276U	Heroin Metabolites - Free (Unconjugated), Urine				•				
9343B	Heroin Screen, Blood			•					
9343SP	Heroin Screen, Serum/Plasma			•					
2340B	Hydrocodone - Free (Unconjugated), Blood			•					
2340FL	Hydrocodone - Free (Unconjugated), Fluid			•				•	
2340SP	Hydrocodone - Free (Unconjugated), Serum/Plasma			•					
9332B	Hydrocodone Screen, Blood			•					
9332SP	Hydrocodone Screen, Serum/Plasma			•					
5536B	Hydrocodone and Metabolites - Free (Unconjugated) Confirmation, Blood			•					
5536SP	Hydrocodone and Metabolites - Free (Unconjugated) Confirmation, Serum/Plasma			•					
8663B	Hydrocodone and Metabolites - Free (Unconjugated), Blood			•					
8663FL	Hydrocodone and Metabolites - Free (Unconjugated), Fluid			•					
8663SP	Hydrocodone and Metabolites - Free (Unconjugated), Serum/Plasma			•					



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Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
8664B	Hydromorphone - Free (Unconjugated), Blood			•					
8664FL	Hydromorphone - Free (Unconjugated), Fluid			•				•	
8664SP	Hydromorphone - Free (Unconjugated), Serum/Plasma			•					
8664TI	Hydromorphone - Free (Unconjugated), Tissue							•	
7630UH	Metanephrine, 24 Hour Urine								•
7630U	Metanephrine, Urine								•
7649UH	Metanephrines - Total, 24 Hour Urine								•
7649U	Metanephrines - Total, Urine								•
7645UH	Metanephrines Fractionated, 24 Hour Urine			•	•	•		•	
7645U	Metanephrines Fractionated, Random Urine	•		•	•	•		•	
8666B	Morphine - Free (Unconjugated), Blood			•					
8666FL	Morphine - Free (Unconjugated), Fluid			•					
8666SP	Morphine - Free (Unconjugated), Serum/Plasma			•					
8666U	Morphine - Free (Unconjugated), Urine							•	
8673U	Morphine - Free and Total, Urine							•	
7643UH	Normetanephrine, 24 Hour Urine								•
7643U	Normetanephrine, Urine								•
10039B	Opiates - Free (Unconjugated) (Drug Impaired Driving-DRE Toxicology), Blood (Forensic) (CSA)			•					
10039SP	Opiates - Free (Unconjugated) (Drug Impaired Driving-DRE Toxicology), Serum/Plasma (Forensic) (CSA)			•					
10139B	Opiates - Free (Unconjugated) - Individual (Drug Impaired Driving-DRE Toxicology), Blood (Forensic) (CSA)			•					
5645B	Opiates - Free (Unconjugated) Confirmation, Blood			•					
55033B	Opiates - Free (Unconjugated) Confirmation, Blood (Forensic) (CSA)							•	
5645FL	Opiates - Free (Unconjugated) Confirmation, Fluid			•				•	
5645SP	Opiates - Free (Unconjugated) Confirmation, Serum/Plasma			•					
8660B	Opiates - Free (Unconjugated), Blood			•					
3241B	Opiates - Free (Unconjugated), Blood (Forensic)			•					
8660FL	Opiates - Free (Unconjugated), Fluid			•					



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Monday, September 21, 2015

Test Updates

Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
8660SP	Opiates - Free (Unconjugated), Serum/Plasma			•					
10017U	Opiates - Total with 6-MAM - Free (Qualitative), Urine (CSA)				•				
3236B	Opiates Screen, Blood			•					
3236SP	Opiates Screen, Serum/Plasma			•					
3270B	Oxycodone - Free (Unconjugated), Blood			•					
3270FL	Oxycodone - Free (Unconjugated), Fluid			•				•	
3270SP	Oxycodone - Free (Unconjugated), Serum/Plasma			•					
9132B	Oxycodone Screen, Blood			•					
9132SP	Oxycodone Screen, Serum/Plasma			•					
5557B	Oxycodone and Metabolite - Free (Unconjugated) Confirmation, Blood			•					
5557SP	Oxycodone and Metabolite - Free (Unconjugated) Confirmation, Serum/Plasma			•					
8667B	Oxycodone and Metabolite - Free (Unconjugated), Blood			•					
8667FL	Oxycodone and Metabolite - Free (Unconjugated), Fluid			•					
8667SP	Oxycodone and Metabolite - Free (Unconjugated), Serum/Plasma			•					
8668B	Oxymorphone - Free (Unconjugated), Blood			•					
8668SP	Oxymorphone - Free (Unconjugated), Serum/Plasma			•					
3435B	Percocet®, Blood			•					
3435FL	Percocet®, Fluid							•	
3435SP	Percocet®, Serum/Plasma			•					
4772B	Vicodin®, Blood			•					
4772SP	Vicodin®, Serum/Plasma			•					



Test Updates

Test Changes

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

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 mL Blood
Transport Temperature: Frozen
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: Received Room Temperature. Received Refrigerated.

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

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 mL Fluid
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None

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

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).

8661B Codeine and Metabolite - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements were changed.



Effective Date:
Monday, September 21, 2015

Test Updates

Test Changes

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: None

8661SP Codeine and Metabolite - Free (Unconjugated), Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
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).

8662B Dihydrocodeine - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements were changed.

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: None

8662SP Dihydrocodeine - Free (Unconjugated), Serum/Plasma

Summary of Changes: Specimen Requirements were changed.



Test Updates

Test Changes

Specimen Requirements: 2 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.
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).

1864U Drugs of Abuse Screen (9 Panel), Urine

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 5 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: Received Room Temperature.

5686B Heroin Metabolites - Free (Unconjugated) Confirmation, Blood

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 mL Blood
Transport Temperature: Frozen
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: Received Room Temperature. Received Refrigerated.

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

Summary of Changes: Specimen Requirements were changed.



Test Updates

Test Changes

Specimen Requirements: 2 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.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).

5707U Heroin Metabolites - Free (Unconjugated) Confirmation, Urine

Summary of Changes: Stability was changed.

Stability: Room Temperature: 1 day(s)
Refrigerated: 2 day(s)
Frozen (-20 °C): 21 day(s)

2276B Heroin Metabolites - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 mL Blood
Transport Temperature: Frozen
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: Gray top tube is the preferred container.
Rejection Criteria: Received Room Temperature. Received Refrigerated.

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

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).

2276U Heroin Metabolites - Free (Unconjugated), Urine



Test Updates

Test Changes

Summary of Changes: Stability was changed.

Stability: Room Temperature: 1 day(s)
Refrigerated: 2 day(s)
Frozen (-20 °C): 21 day(s)

9343B Heroin Screen, Blood

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 3 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 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 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. Polymer gel separation tube (SST or PST).

2340B Hydrocodone - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements were changed.

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: None

2340FL Hydrocodone - Free (Unconjugated), Fluid



Test Updates

Test Changes

Summary of Changes: Specimen Requirements were changed.
Reference Comment was changed.

Specimen Requirements: 2 mL Fluid
 Transport Temperature: Refrigerated
 Specimen Container: Plastic container (preservative-free)
 Light Protection: Not Required
 Special Handling: None
 Rejection Criteria: None
 Scope of Analysis: LC-MS/MS (80361): Hydrocodone - Free
 Method (CPT Code)

Compound Name	Units	Reference Comment
Hydrocodone - Free	ng/mL	[Reference comment removed]

2340SP Hydrocodone - Free (Unconjugated), Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
 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).

9332B Hydrocodone Screen, Blood

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 3 mL Blood
 Transport Temperature: Refrigerated
 Specimen Container: Lavender top tube (EDTA)
 Light Protection: Not Required
 Special Handling: None
 Rejection Criteria: None

9332SP Hydrocodone Screen, Serum/Plasma



Test Updates

Test Changes

Summary of Changes: Specimen Requirements 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.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).

5536B Hydrocodone and Metabolites - Free (Unconjugated) Confirmation, Blood

Summary of Changes: Specimen Requirements were changed.

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: None

5536SP Hydrocodone and Metabolites - Free (Unconjugated) Confirmation, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
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).

8663B Hydrocodone and Metabolites - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements were changed.



Effective Date:
Monday, September 21, 2015

Test Updates

Test Changes

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: None

8663FL Hydrocodone and Metabolites - Free (Unconjugated), Fluid

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 mL Fluid
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None

8663SP Hydrocodone and Metabolites - Free (Unconjugated), Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
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).

8664B Hydromorphone - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements were changed.



Test Updates

Test Changes

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: None

8664FL Hydromorphone - Free (Unconjugated), Fluid

Summary of Changes: Specimen Requirements were changed.
 Reference Comment was changed.

Specimen Requirements: 2 mL Fluid
 Transport Temperature: Refrigerated
 Specimen Container: Plastic container (preservative-free)
 Light Protection: Not Required
 Special Handling: None
 Rejection Criteria: None
 Scope of Analysis: LC-MS/MS (80361): Hydromorphone - Free
 Method (CPT Code)

Compound Name	Units	Reference Comment
Hydromorphone - Free	ng/mL	[Reference comment removed]

8664SP Hydromorphone - Free (Unconjugated), Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
 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).

8664TI Hydromorphone - Free (Unconjugated), Tissue

Summary of Changes: Reference Comment was changed.



Effective Date:
Monday, September 21, 2015

Test Updates

Test Changes

Scope of Analysis: LC-MS/MS (80361): Hydromorphone - Free
Method (CPT Code)

Compound Name	Units	Reference Comment
Hydromorphone - Free	ng/g	[Reference comment removed]

7645UH Metanephrines Fractionated, 24 Hour Urine

Summary of Changes: Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.
Stability was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Reference Comment was changed.

Specimen Requirements: 2 mL 24 Hour Urine

Transport Temperature: Refrigerated

Specimen Container: Plastic container (preservative-free)

Light Protection: Not Required

Special Handling: Patient Preparation: If possible, the patient should abstain from medications for 72 hours prior to collection.

Collect: 24-hour or random urine. Refrigerate 24-hour specimen during collection.

Specimen Preparation: Transfer a 4 mL aliquot from a well-mixed 24-hour or random collection to a Standard Transport Tube (Min: 0.5 mL). Stability can be enhanced by adjusting the pH to 2-3 by using an acid such as 6N HCl. Record total volume and collection time interval on transport tube and test request form.

Rejection Criteria: None

Stability: Room Temperature: 7 day(s)

Refrigerated: 30 day(s)

Frozen (-20 °C): 30 day(s)

Scope of Analysis: LC-MS/MS (82384): Normetanephrine, Metanephrine
Method (CPT Code)

Compound Name	Units	Reference Comment
Normetanephrine	mcg/24 hr	Reference Intervals for patients: Age 0-17 years: Not Established Age 18 years and older: 50-650 mcg/24 hr

Result is calculated from timed urine collection as specified by client.



Test Updates

Test Changes

Compound Name	Units	Reference Comment
Metanephrine	mcg/24 hr	Reference Intervals for patients: Age 0-17 years: Not Established Age 18 years and older: 20-250 mcg/24 hr Result is calculated from timed urine collection as specified by client.

7645U Metanephrines Fractionated, Random Urine

Summary of Changes: Test Name was changed.
Specimen Requirements (Specimen Container) were changed.
Specimen Requirements (Special Handling) were changed.
Stability was changed.
Scope of Analysis was changed.
Order of Reporting was changed.
Reference Comment was changed.

Specimen Requirements: 2 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: Patient Preparation: If possible, the patient should abstain from medications for 72 hours prior to collection.

Specimen Preparation: Transfer a 4 mL aliquot from a random collection to a Standard Transport Tube (Min: 0.5 mL). Stability can be enhanced by adjusting the pH to 2-3 by using an acid such as 6N HCl. Urine without preservative is acceptable if pH is below 6 and the sample is shipped frozen. Record collection time on transport tube and test request form. Do not use Boric Acid.
Rejection Criteria: None
Stability: Room Temperature: 7 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)
Scope of Analysis: LC-MS/MS (83835): Normetanephrine (Creatinine corrected), Metanephrine
Method (CPT Code) (Creatinine corrected)
Colorimetry (None):

Compound Name	Units	Reference Comment
Normetanephrine (Creatinine corrected)	mcg/g Creat	Reference Intervals for patients: Age 0-3 months: 0-3400 mcg/g Creatinine Age 4-6 months: 0-2200 mcg/g Creatinine Age 7-11 months: 0-1100 mcg/g Creatinine Age 1 year: 0-1300 mcg/g Creatinine Age 2-5 years: 0-610 mcg/g Creatinine Age 6-17 years: 0-450 mcg/g Creatinine Age 18 years and older: 0-400 mcg/g Creatinine



Effective Date:
Monday, September 21, 2015

Test Updates

Test Changes

Compound Name	Units	Reference Comment
Metanephrine (Creatinine corrected)	mcg/g Creat	Reference Intervals for patients: Age 0-3 months: 0-700 mcg/g Creatinine Age 4-6 months: 0-650 mcg/g Creatinine Age 7-11 months: 0-650 mcg/g Creatinine Age 1 year: 0-530 mcg/g Creatinine Age 2-5 years: 0-500 mcg/g Creatinine Age 6-17 years: 0-320 mcg/g Creatinine Age 18 years and older: 0-300 mcg/g Creatinine

8666B Morphine - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements were changed.

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: None

8666FL Morphine - Free (Unconjugated), Fluid

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 mL Fluid
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None

8666SP Morphine - Free (Unconjugated), Serum/Plasma

Summary of Changes: Specimen Requirements were changed.



Test Updates

Test Changes

- Specimen Requirements: 2 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.
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).

8666U Morphine - Free (Unconjugated), Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80361): Morphine - Free
Method (CPT Code)

Compound Name	Units	Reference Comment
Morphine - Free	ng/mL	[Reference comment removed]

8673U Morphine - Free and Total, Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80361): Morphine - Free
Method (CPT Code) LC-MS/MS (80361): Morphine - Total

Compound Name	Units	Reference Comment
Morphine - Free	ng/mL	[Reference comment removed]

10039B Opiates - Free (Unconjugated) (Drug Impaired Driving-DRE Toxicology), Blood (Forensic) (CSA)

Summary of Changes: Specimen Requirements were changed.

- Specimen Requirements: 2 mL Blood
- Transport Temperature: Refrigerated
- Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
- 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 Metabolites.
- Rejection Criteria: None



Test Updates

Test Changes

10039SP Opiates - Free (Unconjugated) (Drug Impaired Driving-DRE Toxicology), Serum/Plasma (Forensic) (CSA)

Summary of Changes: Specimen Requirements were changed.

- Specimen Requirements: 2 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: Received Room Temperature. Polymer gel separation tube (SST or PST).

10139B Opiates - Free (Unconjugated) - Individual (Drug Impaired Driving-DRE Toxicology), Blood (Forensic) (CSA)

Summary of Changes: Specimen Requirements were changed.

- 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: None

55033B Opiates - Free (Unconjugated) Confirmation, Blood (Forensic) (CSA)

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80356, 80361, 80365): Dihydrocodeine / Hydrocodol - Free, Codeine - Free, Morphine - Free, Hydrocodone - Free, 6-Monoacetylmorphine - Free, Hydromorphone - Free, Oxycodone - Free, Oxymorphone - Free

Compound Name	Units	Reference Comment
Dihydrocodeine / Hydrocodol - Free	ng/mL	Adult therapeutic range: 72-150 ng/mL.
Codeine - Free	ng/mL	Adult therapeutic range: 20-210 ng/mL.
Morphine - Free	ng/mL	Adult therapeutic range: <73 ng/mL.



Test Updates

Test Changes

Compound Name	Units	Reference Comment
Hydromorphone - Free	ng/mL	Adult therapeutic range: 5-20 ng/mL.
Oxycodone - Free	ng/mL	Adult therapeutic range: 13-120 ng/mL.

5645B Opiates - Free (Unconjugated) Confirmation, Blood

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 mL Blood
 Transport Temperature: Refrigerated
 Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
 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 Metabolites.
 Rejection Criteria: None

5645FL Opiates - Free (Unconjugated) Confirmation, Fluid

Summary of Changes: Specimen Requirements were changed.
 Reference Comment was changed.

Specimen Requirements: 2 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 Metabolites.
 Rejection Criteria: None
 Scope of Analysis: LC-MS/MS (80356, 80361, 80365): Dihydrocodeine / Hydrocodol - Free, Codeine - Free, Morphine - Free, Hydrocodone - Free, 6-Monoacetylmorphine - Free, Hydromorphone - Free, Oxycodone - Free, Oxymorphone - Free

Compound Name	Units	Reference Comment
Oxymorphone - Free	ng/mL	[Reference comment removed]

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

Summary of Changes: Specimen Requirements were changed.



Test Updates

Test Changes

Specimen Requirements: 2 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 Metabolites.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).

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

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 3 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), 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 Metabolites.
Rejection Criteria: None

8660B Opiates - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
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 Metabolites.
Rejection Criteria: None

8660FL Opiates - Free (Unconjugated), Fluid



Test Updates

Test Changes

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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 Metabolites.
Rejection Criteria: None

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

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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 Metabolites.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).

10017U Opiates - Total with 6-MAM - Free (Qualitative), Urine (CSA)

Summary of Changes: Stability was changed.

Stability: Room Temperature: 1 day(s)
Refrigerated: 2 day(s)
Frozen (-20 °C): 21 day(s)

3236B Opiates Screen, Blood

Summary of Changes: Specimen Requirements were changed.



Test Updates

Test Changes

Specimen Requirements: 3 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Lavender top tube (EDTA)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None

3236SP Opiates Screen, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).

3270B Oxycodone - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements were changed.

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: None

3270FL Oxycodone - Free (Unconjugated), Fluid

Summary of Changes: Specimen Requirements were changed.
Reference Comment was changed.



Test Updates

Test Changes

Specimen Requirements: 2 mL Fluid
 Transport Temperature: Refrigerated
 Specimen Container: Plastic container (preservative-free)
 Light Protection: Not Required
 Special Handling: None
 Rejection Criteria: None
 Scope of Analysis: LC-MS/MS (80365): Oxycodone - Free
 Method (CPT Code)

Compound Name	Units	Reference Comment
Oxycodone - Free	ng/mL	[Reference comment removed]

3270SP Oxycodone - Free (Unconjugated), Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
 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).

9132B Oxycodone Screen, Blood

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 3 mL Blood
 Transport Temperature: Refrigerated
 Specimen Container: Lavender top tube (EDTA)
 Light Protection: Not Required
 Special Handling: None
 Rejection Criteria: None

9132SP Oxycodone Screen, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.



Test Updates

Test Changes

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.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).

5557B Oxycodone and Metabolite - Free (Unconjugated) Confirmation, Blood

Summary of Changes: Specimen Requirements were changed.

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: None

5557SP Oxycodone and Metabolite - Free (Unconjugated) Confirmation, Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).

8667B Oxycodone and Metabolite - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements were changed.



Test Updates

Test Changes

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: None

8667FL Oxycodone and Metabolite - Free (Unconjugated), Fluid

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 mL Fluid
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None

8667SP Oxycodone and Metabolite - Free (Unconjugated), Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).

8668B Oxymorphone - Free (Unconjugated), Blood

Summary of Changes: Specimen Requirements were changed.



Test Updates

Test Changes

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: None

8668SP Oxymorphone - Free (Unconjugated), Serum/Plasma

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 2 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.
 Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
 Rejection Criteria: Received Room Temperature. Polymer gel separation tube (SST or PST).

3435B Percocet®, Blood

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 3 mL Blood
 Transport Temperature: Refrigerated
 Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
 Light Protection: Not Required
 Special Handling: None
 Rejection Criteria: None

3435FL Percocet®, Fluid

Summary of Changes: Reference Comment was changed.

Scope of Analysis: LC-MS/MS (80365): Oxycodone - Free
 Method (CPT Code) HPLC (80329): Acetaminophen

Compound Name	Units	Reference Comment
Oxycodone - Free	ng/mL	[Reference comment removed]

3435SP Percocet®, Serum/Plasma



Test Updates

Test Changes

Summary of Changes: Specimen Requirements 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.
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).

4772B Vicodin®, Blood

Summary of Changes: Specimen Requirements were changed.

Specimen Requirements: 3 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
Light Protection: Not Required
Special Handling: None
Rejection Criteria: None

4772SP Vicodin®, Serum/Plasma

Summary of Changes: Specimen Requirements 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.
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).



Effective Date:
Monday, September 21, 2015

Test Updates

Discontinued Tests

Test Code	Test Name	Alternative Test
7630UH	Metanephrine, 24 Hour Urine	7645UH - Metanephrines Fractionated, 24 Hour Urine
7630U	Metanephrine, Urine	7645U - Metanephrines Fractionated, Random Urine
7649UH	Metanephrines - Total, 24 Hour Urine	7645UH - Metanephrines Fractionated, 24 Hour Urine
7649U	Metanephrines - Total, Urine	7645U - Metanephrines Fractionated, Random Urine
7643UH	Normetanephrine, 24 Hour Urine	7645UH - Metanephrines Fractionated, 24 Hour Urine
7643U	Normetanephrine, Urine	7645U - Metanephrines Fractionated, Random Urine