



Effective Date:
Monday, September 28, 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 28, 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.



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Test Updates

Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
0410R	Antimony, RBCs			•					
0410SP	Antimony, Serum/Plasma			•					
0460R	Arsenic, RBCs			•					
0460SP	Arsenic, Serum/Plasma			•					
0519B	Barium, Blood			•					
0519SP	Barium, Serum/Plasma			•					
0680SP	Bismuth, Serum/Plasma			•					
0921R	Cadmium, RBCs			•					
0921SP	Cadmium, Serum/Plasma			•					
1042SP	Cesium, Serum/Plasma			•					
1273B	Chromium - Total, Blood (CSA)			•					
1273SP	Chromium - Total, Serum/Plasma (CSA)			•					
1265SP	Chromium and Cobalt, Serum/Plasma			•					
1261B	Chromium, Blood			•					
1261SP	Chromium, Serum/Plasma			•					
1290SP	Cobalt, Serum/Plasma			•					
1333SP	Copper - Free, Serum/Plasma			•	•				
1330R	Copper, RBCs			•					
1330SP	Copper, Serum/Plasma			•	•				
6303U	Firefighter Core Baseline Profile, Urine				•				
2150B	Gallium, Blood			•					
2150SP	Gallium, Serum/Plasma			•					
52320B	Hallucinogens and Stimulants Confirmation 2 (Qualitative), Blood					•			
52320SP	Hallucinogens and Stimulants Confirmation 2 (Qualitative), Serum/Plasma					•			
52320U	Hallucinogens and Stimulants Confirmation 2 (Qualitative), Urine					•			
2243U	Heavy Metals Panel 4, Urine (CSA)				•				
2241U	Heavy Metals Panel 5A, Urine (CSA)				•				
2406R	Indium, RBCs			•					
2406SP	Indium, Serum/Plasma			•					
10043SP	Indium, Serum/Plasma (CSA)			•					
6364R	Inorganic Panel 64, RBCs			•					
2492R	Lead, RBCs			•					



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Test Code	Test Name	Test Name	Method / CPT Code	Specimen Req.	Stability	Scope	Units	Reference Comments	Discontinue
2492SP	Lead, Serum/Plasma			•					
2570SP	Manganese, Serum/Plasma			•					
2670UH	Mercury, 24 Hour Urine				•				
2670R	Mercury, RBCs			•					
2670SP	Mercury, Serum/Plasma			•	•				
2670U	Mercury, Urine				•				
2233U	Metals Panel 2, Urine (CSA)				•				
2664UH	Metals Panel 4 (Arsenic, Cadmium, Lead, Mercury), 24 Hour Urine				•				
2664U	Metals Panel 4 (Arsenic, Cadmium, Lead, Mercury), Urine				•				
2693R	Metals/Metalloids Acute Poisoning Panel, RBCs			•					
2693SP	Metals/Metalloids Acute Poisoning Panel, Serum/Plasma			•	•				
2693U	Metals/Metalloids Acute Poisoning Panel, Urine				•				
2661SP	Metals/Metalloids Panel 1, Serum/Plasma			•	•				
2661U	Metals/Metalloids Panel 1, Urine				•				
2662SP	Metals/Metalloids Panel 2, Serum/Plasma			•					
2662U	Metals/Metalloids Panel 2, Urine							•	
2663B	Metals/Metalloids Panel 3, Blood			•					
2663SP	Metals/Metalloids Panel 3, Serum/Plasma			•	•				
2663U	Metals/Metalloids Panel 3, Urine				•				
3069R	Mineral Profile (7), RBCs								•
3066R	Mineral Profile, RBCs			•		•			
3066SP	Mineral Profile, Serum/Plasma			•	•				
3090SP	Molybdenum, Serum/Plasma			•					
3140R	Nickel, RBCs			•					
3140SP	Nickel, Serum/Plasma			•					
3140U	Nickel, Urine							•	
10045U	Nickel, Urine (CSA)							•	
8756B	Novel Psychoactive Substances (NPS) Screen 1, Blood			•	•				
8756SP	Novel Psychoactive Substances (NPS) Screen 1, Serum/Plasma			•	•				
8756U	Novel Psychoactive Substances (NPS) Screen 1, Urine			•	•				



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3783SP	Platinum, Serum/Plasma			•	•				
4124B	Rubidium, Blood			•					
4124R	Rubidium, RBCs			•					
4124SP	Rubidium, Serum/Plasma			•					
4180B	Selenium, Blood			•					
4180SP	Selenium, Serum/Plasma			•					
4190SP	Silicon, Serum/Plasma			•	•				
4200SP	Silver, Serum/Plasma			•					
4212SP	Strontium, Serum/Plasma			•					
52328B	Substituted Cathinone Panel, Blood	•		•	•	•		•	
52328SP	Substituted Cathinone Panel, Serum/Plasma	•		•	•	•		•	
52328U	Substituted Cathinone Panel, Urine	•		•	•	•		•	
4370SP	Thallium, Serum/Plasma			•					
4478SP	Thorium, Serum/Plasma			•					
4485SP	Tin - Total, Serum/Plasma			•					
4486SP	Titanium, Serum/Plasma			•					
4730SP	Tungsten, Serum/Plasma			•					
4765SP	Vanadium, Serum/Plasma			•					
4844R	Zinc, RBCs			•					
10021R	Zinc, RBCs (CSA)			•					
4844SP	Zinc, Serum/Plasma			•					



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Test Changes

0410R Antimony, RBCs

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

Specimen Requirements: 2 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Collect sample in Glass Container (see Specimen Container).
Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Frozen. Plastic container. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin).

0410SP Antimony, Serum/Plasma

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

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Collect sample in Glass Container (see Specimen Container).
Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines. Acid washed Polypropylene vial is preferred.
Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Polymer gel separation tube (SST or PST).

0460R Arsenic, RBCs

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



Test Updates

Test Changes

Specimen Requirements: 2 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Avoid seafood consumption for 48 hours prior to sample collection. Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Frozen. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Green top tube (Sodium Heparin).

0460SP Arsenic, Serum/Plasma

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

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Avoid seafood consumption for 48 hours prior to sample collection. Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

0519B Barium, Blood

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

Specimen Requirements: 1 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Clotted Blood specimens are not acceptable.
Collect sample in plastic tube.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Light Green top tube (Lithium Heparin). Glass container. Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin).



Test Updates

Test Changes

0519SP Barium, Serum/Plasma

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

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Collect sample in plastic tube.
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Glass container. Polymer gel separation tube (SST or PST).

0680SP Bismuth, Serum/Plasma

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

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

0921R Cadmium, RBCs

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



Test Updates

Test Changes

Specimen Requirements: 1 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Frozen. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Green top tube (Sodium Heparin).

0921SP Cadmium, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

1042SP Cesium, Serum/Plasma

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

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

1273B Chromium - Total, Blood (CSA)

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.



Test Updates

Test Changes

Specimen Requirements: 2 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Lavender top tube (EDTA).

1273SP Chromium - Total, Serum/Plasma (CSA)

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Lavender top tube (EDTA). Polymer gel separation tube (SST or PST). Green top tube (Sodium Heparin).

1265SP Chromium and Cobalt, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Lavender top tube (EDTA). Polymer gel separation tube (SST or PST).

1261B Chromium, Blood



Test Updates

Test Changes

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.

Specimen Requirements: 2 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Lavender top tube (EDTA).

1261SP Chromium, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Lavender top tube (EDTA). Polymer gel separation tube (SST or PST).

1290SP Cobalt, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

1333SP Copper - Free, Serum/Plasma



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Test Changes

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

Specimen Requirements: 3 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 30 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)

1330R Copper, RBCs

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

Specimen Requirements: 2 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Room Temperature. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Green top tube (Sodium Heparin).

1330SP Copper, Serum/Plasma

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



Test Updates

Test Changes

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 30 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 30 day(s)

6303U Firefighter Core Baseline Profile, Urine

Summary of Changes: Stability was changed.

Stability: Room Temperature: 5 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)

2150B Gallium, Blood

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

Specimen Requirements: 2 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Plasma: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Clotted Blood specimens are not acceptable.
Collect sample in plastic tube.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Glass container. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Gray top tube (Sodium Fluoride / Potassium Oxalate). Lavender top tube (EDTA). Green top tube (Sodium Heparin).

2150SP Gallium, Serum/Plasma

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



Test Updates

Test Changes

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Collect sample in plastic tube.
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Glass container. Polymer gel separation tube (SST or PST).

52320B Hallucinogens and Stimulants Confirmation 2 (Qualitative), Blood

Summary of Changes: Scope of Analysis was changed.
Pentylone was removed.

Scope of Analysis: GC/MS (80371): 2C-B, 4-MEC, 5-MeO-DIPT, AMT, Buphedrone, DBZP
Method (CPT Code)

52320SP Hallucinogens and Stimulants Confirmation 2 (Qualitative), Serum/Plasma

Summary of Changes: Scope of Analysis was changed.
Pentylone was removed.

Scope of Analysis: GC/MS (80371): 2C-B, 4-MEC, 5-MeO-DIPT, AMT, Buphedrone, DBZP
Method (CPT Code)

52320U Hallucinogens and Stimulants Confirmation 2 (Qualitative), Urine

Summary of Changes: Scope of Analysis was changed.
Pentylone was removed.

Scope of Analysis: GC/MS (80371): 2C-B, 4-MEC, 5-MeO-DIPT, AMT, Buphedrone, DBZP, MPBP, Alpha
Method (CPT Code) PBP, Alpha PPP

2243U Heavy Metals Panel 4, Urine (CSA)

Summary of Changes: Stability was changed.

Stability: Room Temperature: 5 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)

2241U Heavy Metals Panel 5A, Urine (CSA)

Summary of Changes: Stability was changed.

Stability: Room Temperature: 5 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)



Test Updates

Test Changes

2406R Indium, RBCs

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

Specimen Requirements: 2 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Frozen.

10043SP Indium, Serum/Plasma (CSA)

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

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

2406SP Indium, Serum/Plasma

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

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

6364R Inorganic Panel 64, RBCs



Test Updates

Test Changes

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

Specimen Requirements: 5 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Avoid seafood consumption for 48 hours prior to sample collection. Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Frozen. Plastic container. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Lavender top tube (EDTA).

2492R Lead, RBCs

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

Specimen Requirements: 2 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Frozen. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Green top tube (Sodium Heparin).

2492SP Lead, Serum/Plasma

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



Test Updates

Test Changes

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

2570SP Manganese, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Polymer gel separation tube (SST or PST). Lavender top tube (EDTA).

2670UH Mercury, 24 Hour Urine

Summary of Changes: Stability was changed.

Stability: Room Temperature: 14 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 5 month(s)

2670R Mercury, RBCs

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



Test Updates

Test Changes

Specimen Requirements: 1 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Frozen. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Green top tube (Sodium Heparin).

2670SP Mercury, Serum/Plasma

Summary of Changes: Specimen Requirements (Specimen Container) 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 (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 14 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 5 month(s)

2670U Mercury, Urine

Summary of Changes: Stability was changed.

Stability: Room Temperature: 5 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)

2233U Metals Panel 2, Urine (CSA)

Summary of Changes: Stability was changed.

Stability: Room Temperature: 5 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)



Test Updates

Test Changes

2664UH Metals Panel 4 (Arsenic, Cadmium, Lead, Mercury), 24 Hour Urine

Summary of Changes: Stability was changed.

Stability: Room Temperature: 7 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)

2664U Metals Panel 4 (Arsenic, Cadmium, Lead, Mercury), Urine

Summary of Changes: Stability was changed.

Stability: Room Temperature: 5 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)

2693R Metals/Metalloids Acute Poisoning Panel, RBCs

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

Specimen Requirements: 9 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Collect sample in Glass Container (see Specimen Container).
Avoid seafood consumption for 48 hours prior to sample collection. Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Frozen. Plastic container. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Light Blue top tube (Sodium Citrate). Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Yellow top tube (ACD - Acid Citrate Dextrose). Lavender top tube (EDTA).

2693SP Metals/Metalloids Acute Poisoning Panel, Serum/Plasma

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

Specimen Requirements: 6 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Collect sample in Glass Container (see Specimen Container).



Test Updates

Test Changes

Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Avoid seafood consumption for 48 hours prior to sample collection. Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines. Acid washed Polypropylene vial is preferred.

Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Polymer gel separation tube (SST or PST).

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

2693U Metals/Metalloids Acute Poisoning Panel, Urine

Summary of Changes: Stability was changed.

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

2661SP Metals/Metalloids Panel 1, Serum/Plasma

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

Specimen Requirements: 3 mL Serum or Plasma

Transport Temperature: Refrigerated

Specimen Container: Plastic container (Acid washed or Trace metal-free)

Light Protection: Not Required

Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Avoid seafood consumption for 48 hours prior to sample collection. Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.

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

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

2661U Metals/Metalloids Panel 1, Urine

Summary of Changes: Stability was changed.

Stability: Room Temperature: 5 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)

2662SP Metals/Metalloids Panel 2, Serum/Plasma



Test Updates

Test Changes

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

Specimen Requirements: 2 mL Serum or Plasma
 Transport Temperature: Refrigerated
 Specimen Container: Plastic container (Acid washed or Trace metal-free)
 Light Protection: Not Required
 Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
 Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
 Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
 Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Polymer gel separation tube (SST or PST). Lavender top tube (EDTA).

2662U Metals/Metalloids Panel 2, Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Colorimetry (82570): Creatinine
 Method (CPT Code) ICP/MS (83018): Thallium, Thallium (Creatinine corrected)
 ICP/MS (82300,83785,83885): Cadmium, Cadmium (Creatinine corrected),
 Manganese, Manganese (Creatinine corrected), Nickel, Nickel (Creatinine corrected)

Compound Name	Units	Reference Comment
Nickel	mcg/L	Normally less than 6 mcg/L.
Nickel (Creatinine corrected)	mcg/g Creat	Normally less than 6 mcg/g creatinine.

2663B Metals/Metalloids Panel 3, Blood

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.

Specimen Requirements: 5 mL Blood
 Transport Temperature: Refrigerated
 Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
 Light Protection: Yes
 Special Handling: Clotted Blood specimens are not acceptable.
 Avoid seafood consumption for 48 hours prior to sample collection. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
 Rejection Criteria: Not received Light Protected. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Lavender top tube (EDTA).

2663SP Metals/Metalloids Panel 3, Serum/Plasma



Test Updates

Test Changes

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

Specimen Requirements: 4 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Avoid seafood consumption for 48 hours prior to sample collection. Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Polymer gel separation tube (SST or PST). Green top tube (Sodium Heparin). Lavender top tube (EDTA).
Stability: Room Temperature: 14 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)

2663U Metals/Metalloids Panel 3, Urine

Summary of Changes: Stability was changed.

Stability: Room Temperature: 5 day(s)
Refrigerated: 14 day(s)
Frozen (-20 °C): 30 day(s)

3066R Mineral Profile, RBCs

Summary of Changes: Specimen Requirements (Special Handling) were changed.
Scope of Analysis was changed.
Magnesium was removed.

Specimen Requirements: 5 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: For Magnesium testing, please order Magnesium test 2551.
Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Room Temperature. Received Frozen. Plastic container. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Light Blue top tube (Sodium Citrate). Gray top tube (Sodium Fluoride / Potassium Oxalate). Lavender top tube (EDTA). Yellow top tube (ACD - Acid Citrate Dextrose). Green top tube (Sodium Heparin).



Test Updates

Test Changes

Scope of Analysis: ICP/MS (82495, 83018x2, 83785, 84255): Chromium, Cobalt, Manganese,
Method (CPT Code) Molybdenum, Selenium
ICP/OES (84630): Zinc
ICP/OES (82525): Copper

3066SP Mineral Profile, Serum/Plasma

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

Specimen Requirements: 4 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: For Magnesium testing, please order Magnesium test 2551.
Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Lavender top tube (EDTA). Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 28 day(s)
Refrigerated: 28 day(s)
Frozen (-20 °C): 28 day(s)

3090SP Molybdenum, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Polymer gel separation tube (SST or PST).

3140R Nickel, RBCs

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



Test Updates

Test Changes

Specimen Requirements: 1 mL RBCs
 Transport Temperature: Refrigerated
 Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
 Light Protection: Not Required
 Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
 Rejection Criteria: Received Frozen. Plastic container. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Lavender top tube (EDTA).

3140SP Nickel, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
 Transport Temperature: Refrigerated
 Specimen Container: Plastic container (Acid washed or Trace metal-free)
 Light Protection: Not Required
 Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
 Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
 Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
 Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Lavender top tube (EDTA). Polymer gel separation tube (SST or PST).

10045U Nickel, Urine (CSA)

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Colorimetry (82570): Creatinine
 Method (CPT Code) ICP/MS (83885): Nickel, Nickel (Creatinine corrected)

Compound Name	Units	Reference Comment
Nickel (Creatinine corrected)	mcg/g Creat	Normally less than 6 mcg/g Creatinine.

3140U Nickel, Urine

Summary of Changes: Reference Comment was changed.

Scope of Analysis: Colorimetry (82570): Creatinine
 Method (CPT Code) ICP/MS (83885): Nickel, Nickel (Creatinine corrected)



Test Updates

Test Changes

Compound Name	Units	Reference Comment
Nickel	mcg/L	Normally less than 6 mcg/L.
Nickel (Creatinine corrected)	mcg/g Creat	Normally less than 6 mcg/g Creatinine.

8756B Novel Psychoactive Substances (NPS) Screen 1, Blood

Summary of Changes: Specimen Requirements (Transport Temperature) were changed.
Specimen Requirements (Light Protection) were changed.
Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.

Specimen Requirements: 6 mL Blood

Transport Temperature: Frozen

Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA),
Light Blue top tube (Sodium Citrate)

Light Protection: Yes

Special Handling: None

Rejection Criteria: Not received Light Protected. Received Room Temperature. Received Refrigerated.

Stability: Room Temperature: Not Stable
Refrigerated: 2 day(s)
Frozen (-20 °C): 14 day(s)

If this test contains multiple compounds, the reported stability reflects that which is least stable. Stability may vary among compounds included in the test and may be dependent upon matrix, pH, collection tube, and storage temperature. Negative results should be interpreted with caution. For more information on stability of a specific compound please contact the laboratory.

NOTE: If the test contains multiple compounds samples received at room temperature will not be rejected.

8756SP Novel Psychoactive Substances (NPS) Screen 1, Serum/Plasma

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



Test Updates

Test Changes

Specimen Requirements: 6 mL Serum or Plasma
Transport Temperature: Frozen
Specimen Container: Light Blue top tube (Sodium Citrate), Plastic container (preservative-free)
Light Protection: Yes
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.
Serum is not recommended because the citrate anticoagulant is needed to enhance stability. Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Not received Light Protected. Received Room Temperature. Received Refrigerated.
Polymer gel separation tube (SST or PST).
Stability: Room Temperature: Not Stable
Refrigerated: 2 day(s)
Frozen (-20 °C): 14 day(s)

If this test contains multiple compounds, the reported stability reflects that which is least stable. Stability may vary among compounds included in the test and may be dependent upon matrix, pH, collection tube, and storage temperature. Negative results should be interpreted with caution. For more information on stability of a specific compound please contact the laboratory.

NOTE: If the test contains multiple compounds samples received at room temperature will not be rejected.

8756U Novel Psychoactive Substances (NPS) Screen 1, Urine

Summary of Changes: Specimen Requirements (Light Protection) were changed.
Specimen Requirements (Rejection Criteria) were changed.
Stability was changed.

Specimen Requirements: 6 mL Urine
Transport Temperature: Refrigerated
Specimen Container: Plastic container (preservative-free)
Light Protection: Yes
Special Handling: None
Rejection Criteria: Not received Light Protected. Received Room Temperature.
Stability: Room Temperature: 1 day(s)
Refrigerated: 7 day(s)
Frozen (-20 °C): 21 day(s)

If this test contains multiple compounds, the reported stability reflects that which is least stable. Stability may vary among compounds included in the test and may be dependent upon matrix, pH, collection tube, and storage temperature. Negative results should be interpreted with caution. For more information on stability of a specific compound please contact the laboratory.

NOTE: If the test contains multiple compounds samples received at room temperature will not be rejected.



Test Updates

Test Changes

3783SP Platinum, Serum/Plasma

Summary of Changes: Specimen Requirements (Specimen Container) 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 (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 2 month(s)
Refrigerated: 2 month(s)
Frozen (-20 °C): 2 month(s)

4124B Rubidium, Blood

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.

Specimen Requirements: 2 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Clotted Blood specimens are not acceptable.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Gray top tube (Sodium Fluoride / Potassium Oxalate). Lavender top tube (EDTA). Green top tube (Sodium Heparin).

4124R Rubidium, RBCs

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

Specimen Requirements: 1 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the



Test Updates

Test Changes

original collection container and replace stopper.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.

Rejection Criteria: Received Frozen. Plastic container. Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Lavender top tube (EDTA).

4124SP Rubidium, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Polymer gel separation tube (SST or PST). Lavender top tube (EDTA).

4180B Selenium, Blood

Summary of Changes: Specimen Requirements (Rejection Criteria) were changed.

Specimen Requirements: 2 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Clotted Blood specimens are not acceptable.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Light Green top tube (Lithium Heparin). Tan top tube - glass (Sodium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Gray top tube (Sodium Fluoride / Potassium Oxalate). Green top tube (Sodium Heparin). Lavender top tube (EDTA).

4180SP Selenium, Serum/Plasma

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



Test Updates

Test Changes

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Gray top tube (Sodium Fluoride / Potassium Oxalate). Polymer gel separation tube (SST or PST).

4190SP Silicon, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Collect sample in plastic tube.
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Glass container. Polymer gel separation tube (SST or PST).
Stability: Room Temperature: 14 day(s)
Refrigerated: 21 day(s)
Frozen (-20 °C): 14 day(s)

4200SP Silver, Serum/Plasma

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

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Yes
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Not received Light Protected. Polymer gel separation tube (SST or PST).



Test Updates

Test Changes

4212SP Strontium, Serum/Plasma

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

Specimen Requirements: 1 mL Serum or Plasma
 Transport Temperature: Refrigerated
 Specimen Container: Plastic container (Acid washed or Trace metal-free)
 Light Protection: Not Required
 Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
 Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
 Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
 Rejection Criteria: Polymer gel separation tube (SST or PST). Lavender top tube (EDTA).

52328B Substituted Cathinone Panel, Blood

Summary of Changes: Test Name was changed.
 Specimen Requirements (Transport Temperature) were changed.
 Specimen Requirements (Light Protection) were changed.
 Specimen Requirements (Rejection Criteria) were changed.
 Stability was changed.
 Scope of Analysis was changed.
 Pentylone was added.
 Reference Comment was changed.

Specimen Requirements: 2 mL Blood
 Transport Temperature: Frozen
 Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate)
 Light Protection: Yes
 Special Handling: None
 Rejection Criteria: Not received Light Protected. Received Room Temperature. Received Refrigerated.
 Stability: Room Temperature: Not Stable
 Refrigerated: 2 day(s)
 Frozen (-20 °C): 28 day(s)
 Scope of Analysis: LC-MS/MS (80371): Pentylone, Ethylone, Butylone, Flephedrone, 3-FMC
 Method (CPT Code)

Compound Name	Units	Reference Comment
Pentylone	ng/mL	Pentylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Pentylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects



Test Updates

Test Changes

Compound Name	Units	Reference Comment
		ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis. Synthetic cathinones, including pentylone, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases.
Ethylone	ng/mL	Ethylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Ethylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis. Ethylone is increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases. In nine postmortem cases, ethylone blood concentrations ranged from 38 to >2,500 ng/mL; almost all cases involved additional findings.
Butylone	ng/mL	Butylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Butylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis. Synthetic cathinones, including butylone, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases. There is one case report of a 24 year old female who died after ingesting a combination of methylone and butylone which was sold to her as 'Ecstasy'; she died of multi-organ failure stemming from serotonin syndrome.
Flephedrone	ng/mL	Flephedrone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Flephedrone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation,



Test Updates

Test Changes

Compound Name	Units	Reference Comment
		<p>aggression, and psychosis.</p> <p>Synthetic cathinones, including flephedrone, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases. In one case report, a 23 year old male presented to the emergency room with bizarre behavior, suicidal intentions, and hallucinations after insufflating a bath salt; flephedrone was detected at a concentration of 346 ng/mL in serum, along with 186 ng/mL of MDPV.</p> <p>Ratio of whole blood concentrations to serum or plasma concentrations is unknown for this analyte.</p> <p>Flephedrone is known to have limited stability in biological specimens; results are those obtained at the time of analysis and should be interpreted with caution.</p>
3-FMC	ng/mL	<p>3-FMC is a substituted cathinone that is sold recreationally as a novel psychoactive substance. 3-FMC is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis.</p> <p>Synthetic cathinones, including 3-FMC, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases. 3-FMC has been qualitatively identified in at least one case of a 30 year old male who presented to the emergency department, in addition to GBL.</p> <p>3-FMC is known to have limited stability in biological specimens; results are those obtained at the time of analysis and should be interpreted with caution.</p>

52328SP Substituted Cathinone Panel, Serum/Plasma

Summary of Changes:

- Test Name was changed.
- Specimen Requirements (Transport Temperature) were changed.
- Specimen Requirements (Light Protection) were changed.
- Specimen Requirements (Special Handling) were changed.
- Specimen Requirements (Rejection Criteria) were changed.
- Stability was changed.
- Scope of Analysis was changed.
- Pentylone was added.
- Reference Comment was changed.



Test Updates

Test Changes

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Frozen
Specimen Container: Plastic container (preservative-free)
Light Protection: Yes
Special Handling: Serum: Collect sample in Red top tube
Plasma: Collect sample in Lavender top tube (EDTA) or Pink top tube.
Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Rejection Criteria: Not received Light Protected. Received Room Temperature. Received Refrigerated.
Polymer gel separation tube (SST or PST).
Stability: Room Temperature: Not Stable
Refrigerated: 2 day(s)
Frozen (-20 °C): 28 day(s)
Scope of Analysis: LC-MS/MS (80371): Pentylone, Ethylone, Butylone, Flephedrone, 3-FMC
Method (CPT Code)

Compound Name	Units	Reference Comment
Pentylone	ng/mL	<p>Pentylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Pentylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis. Synthetic cathinones, including pentylone, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases. Pentylone has been qualitatively identified in a couple of postmortem cases; other drugs were identified as well.</p>
Ethylone	ng/mL	<p>Ethylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Ethylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis. Ethylone is increasingly being detected in a range of forensic toxicology cases, including both human</p>



Effective Date:

Monday, September 28, 2015

Test Updates

Test Changes

Compound Name	Units	Reference Comment
		performance and postmortem cases. In nine postmortem cases, ethylone blood concentrations ranged from 38 to >2,500 ng/mL; almost all cases involved additional findings. Ratio of whole blood concentrations to serum or plasma concentrations is unknown for this analyte.
Butylone	ng/mL	Butylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Butylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis. Synthetic cathinones, including butylone, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases. There is one case report of a 24 year old female who died after ingesting a combination of methylone and butylone which was sold to her as 'Ecstasy'; she died of multi-organ failure stemming from serotonin syndrome.
Flephedrone	ng/mL	Flephedrone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Flephedrone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis. Synthetic cathinones, including flephedrone, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases. In one case report, a 23 year old male presented to the emergency room with bizarre behavior, suicidal intentions, and hallucinations after insufflating a bath salt; flephedrone was detected at a concentration of 346 ng/mL in serum, along with 186 ng/mL of MDPV. Flephedrone is known to have limited stability in biological specimens; results are those obtained at the time of analysis and should be interpreted with caution.



Test Updates

Test Changes

Compound Name	Units	Reference Comment
3-FMC	ng/mL	<p>3-FMC is a substituted cathinone that is sold recreationally as a novel psychoactive substance. 3-FMC is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis.</p> <p>Synthetic cathinones, including 3-FMC, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases. 3-FMC has been qualitatively identified in at least one case of a 30 year old male who presented to the emergency department, in addition to GBL.</p> <p>3-FMC is known to have limited stability in biological specimens; results are those obtained at the time of analysis and should be interpreted with caution.</p>

52328U Substituted Cathinone Panel, Urine

Summary of Changes: Test Name was changed.
 Specimen Requirements (Light Protection) were changed.
 Specimen Requirements (Rejection Criteria) were changed.
 Stability was changed.
 Scope of Analysis was changed.
 Pentylone was added.
 Reference Comment was changed.

Specimen Requirements: 2 mL Urine
 Transport Temperature: Refrigerated
 Specimen Container: Plastic container (preservative-free)
 Light Protection: Yes
 Special Handling: None
 Rejection Criteria: Not received Light Protected. Received Room Temperature.
 Stability: Room Temperature: 1 day(s)
 Refrigerated: 7 day(s)
 Frozen (-20 °C): 28 day(s)
 Scope of Analysis: LC-MS/MS (80371): Pentylone, Ethylone, Butylone, Flephedrone, 3-FMC
 Method (CPT Code)



Effective Date:

Monday, September 28, 2015

Test Updates

Test Changes

Compound Name	Units	Reference Comment
Pentylone	ng/mL	<p>Pentylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Pentylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis.</p> <p>Synthetic cathinones, including pentylone, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases.</p>
Ethylone	ng/mL	<p>Ethylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Ethylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis.</p> <p>Ethylone is increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases.</p>
Butylone	ng/mL	<p>Butylone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Butylone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis.</p> <p>Synthetic cathinones, including butylone, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases.</p>
Flephedrone	ng/mL	<p>Flephedrone is a substituted cathinone that is sold recreationally as a novel psychoactive substance. Flephedrone is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation,</p>



Test Updates

Test Changes

Compound Name	Units	Reference Comment
		aggression, and psychosis. Synthetic cathinones, including flephedrone, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases. Flephedrone is known to have limited stability in biological specimens; results are those obtained at the time of analysis and should be interpreted with caution.
3-FMC	ng/mL	3-FMC is a substituted cathinone that is sold recreationally as a novel psychoactive substance. 3-FMC is a stimulant type drug, with effects similar to that of cocaine, with some additional activity at serotonin receptors. Synthetic cathinone users report psychological, cardiovascular, and neurological sympathomimetic symptoms, with effects ranging from tachycardia, vasoconstriction, seizures, agitation, aggression, and psychosis. Synthetic cathinones, including 3-FMC, are increasingly being detected in a range of forensic toxicology cases, including both human performance and postmortem cases. 3-FMC is known to have limited stability in biological specimens; results are those obtained at the time of analysis and should be interpreted with caution.

4370SP **Thallium, Serum/Plasma**

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

Specimen Requirements: 1 mL Serum or Plasma
 Transport Temperature: Refrigerated
 Specimen Container: Plastic container (Acid washed or Trace metal-free)
 Light Protection: Not Required
 Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
 Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
 Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
 Rejection Criteria: Polymer gel separation tube (SST or PST).

4478SP **Thorium, Serum/Plasma**

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



Test Updates

Test Changes

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

4485SP Tin - Total, Serum/Plasma

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

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

4486SP Titanium, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

4730SP Tungsten, Serum/Plasma

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



Test Updates

Test Changes

Specimen Requirements: 1 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST).

4765SP Vanadium, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Collect sample in plastic tube.
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Glass container. Polymer gel separation tube (SST or PST).

10021R Zinc, RBCs (CSA)

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

Specimen Requirements: 2 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper.
Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Room Temperature. Light Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Lavender top tube (EDTA). Green top tube (Sodium Heparin).

4844R Zinc, RBCs



Test Updates

Test Changes

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

Specimen Requirements: 2 mL RBCs
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Not Required
Special Handling: Centrifuge and separate Plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper. Submit in container with a non-Heparin based anticoagulant. Tubes containing Heparin based anticoagulants are not acceptable.
Rejection Criteria: Received Room Temperature. Light Green top tube (Lithium Heparin). Royal Blue top tube (Trace metal-free; Sodium Heparin). Lavender top tube (EDTA). Green top tube (Sodium Heparin).

4844SP Zinc, Serum/Plasma

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

Specimen Requirements: 2 mL Serum or Plasma
Transport Temperature: Refrigerated
Specimen Container: Plastic container (Acid washed or Trace metal-free)
Light Protection: Not Required
Special Handling: Serum: Collect sample in Royal Blue top tube (Trace metal-free; No additive)
Plasma: Collect sample in Royal Blue top tube (Trace metal-free; EDTA)
Promptly centrifuge and separate Serum or Plasma into an acid washed plastic screw capped vial using approved guidelines.
Rejection Criteria: Polymer gel separation tube (SST or PST). Lavender top tube (EDTA).



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Test Updates

Discontinued Tests

Test Code	Test Name	Alternative Test
3069R	Mineral Profile (7), RBCs	3066R - Mineral Profile, RBCs