



Effective Date:
Monday, January 07, 2019

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, January 07, 2019

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
0718SP	Brivaracetam, Serum/Plasma				•				
1930B	EP (FEP), Pediatric, Blood								•
6303B	Firefighter Core Baseline Profile, Blood			•			•	•	
2490B	Lead and ZPP, Blood			•	•		•	•	
2494B	Lead, Micro and EP (Pediatric), Blood								•
10083B	Metals Panel 4, Blood (CSA)			•	•		•	•	
2663B	Metals/Metalloids Panel 3, Blood			•	•		•	•	
4885B	ZPP (Zinc Protoporphyrin), Blood			•	•		•	•	



Test Updates

Test Changes

0718SP Brivaracetam, Serum/Plasma

Summary of Changes: Stability was changed.

Stability: Room Temperature: 30 day(s)
Refrigerated: 30 day(s)
Frozen (-20 °C): 3 month(s)

6303B Firefighter Core Baseline Profile, Blood

Summary of Changes: Specimen Requirements (Special Handling) were changed.
Reference Comment was changed.
Units were changed.

Specimen Requirements: 4 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA), Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Yes
Special Handling: Clotted, hemolyzed or frozen blood specimens are not acceptable. Collect sample using alcohol free skin preparation. 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). Green top tube (Sodium Heparin).
Scope of Analysis: ICP/MS (83655): Lead
Method (CPT Code) H (84202): ZPP
Headspace GC (84600): Benzene, Ethylbenzene, Styrene, Toluene, Xylenes (o,m,p), n-Heptane, n-Hexane, Methylpentanes (2- and 3- Isomers), Pentane, n-Butanol, Ethanol, Isopropanol, n-Propanol, Methanol, Acetaldehyde, Acetone, Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Methyl n-Butyl Ketone, Ethyl Acetate, Diethyl Ether, Methyl Tertiary Butyl Ether

Compound Name	Units	Reference Comment
ZPP	mcmol/mol heme	Normal range for Zinc Protoporphyrin (ZPP) is 30 – 80 mcmol/mol heme. OSHA requires ZPP whole blood concentrations to be reported in units of mcg/dL. For adults assuming a hematocrit of 42%, the conversion factor is mcmol/mol heme x 0.544 = mcg/dL. The OSHA occupational threshold for ZPP in blood at 100 mcg/dL with an assumed hematocrit of 42% converts to approximately 180 mcmol/mol heme.

2490B Lead and ZPP, Blood



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Test Changes

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

Specimen Requirements: 3 mL Blood
 Transport Temperature: Refrigerated
 Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
 Light Protection: Yes
 Special Handling: Clotted, hemolyzed or frozen blood specimens are not acceptable.
 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). Green top tube (Sodium Heparin).
 Stability: Room Temperature: Undetermined
 Refrigerated: 7 day(s)
 Frozen (-20 °C): Undetermined
 Scope of Analysis: ICP/MS (83655): Lead
 Method (CPT Code) H (84202): ZPP

Compound Name	Units	Reference Comment
ZPP	mcmol/mol heme	Normal range for Zinc Protoporphyrin (ZPP) is 30 – 80 mcmol/mol heme. OSHA requires ZPP whole blood concentrations to be reported in units of mcg/dL. For adults assuming a hematocrit of 42%, the conversion factor is mcmol/mol heme x 0.544 = mcg/dL. The OSHA occupational threshold for ZPP in blood at 100 mcg/dL with an assumed hematocrit of 42% converts to approximately 180 mcmol/mol heme.

10083B Metals Panel 4, Blood (CSA)

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



Test Updates

Test Changes

Specimen Requirements: 5 mL Blood
 Transport Temperature: Refrigerated
 Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
 Light Protection: Yes
 Special Handling: Clotted, hemolyzed or frozen 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). Green top tube (Sodium Heparin).
 Stability: Room Temperature: Undetermined
 Refrigerated: 7 day(s)
 Frozen (-20 °C): Undetermined
 Scope of Analysis: ICP/MS (82175): Arsenic, Lead
 Method (CPT Code) ICP/MS (82300, None): Cadmium
 H (84202): ZPP
 ICP/MS (83825): Mercury

Compound Name	Units	Reference Comment
ZPP	mcmol/mol heme	Normal range for Zinc Protoporphyrin (ZPP) is 30 – 80 mcmol/mol heme. OSHA requires ZPP whole blood concentrations to be reported in units of mcg/dL. For adults assuming a hematocrit of 42%, the conversion factor is mcmol/mol heme x 0.544 = mcg/dL. The OSHA occupational threshold for ZPP in blood at 100 mcg/dL with an assumed hematocrit of 42% converts to approximately 180 mcmol/mol heme.

2663B Metals/Metalloids Panel 3, Blood

Summary of Changes: Specimen Requirements (Special Handling) were changed.
 Stability was changed.
 Reference Comment was changed.
 Units 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, hemolyzed or frozen blood specimens are not acceptable.



Test Updates

Test Changes

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).

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

Scope of Analysis: ICP/MS (82300, None): Cadmium, Chromium
Method (CPT Code) H (84202): ZPP
ICP/MS (82175): Arsenic, Lead
ICP/MS (83825): Mercury

Compound Name	Units	Reference Comment
ZPP	mcmol/mol heme	Normal range for Zinc Protoporphyrin (ZPP) is 30 – 80 mcmol/mol heme. OSHA requires ZPP whole blood concentrations to be reported in units of mcg/dL. For adults assuming a hematocrit of 42%, the conversion factor is mcmol/mol heme x 0.544 = mcg/dL. The OSHA occupational threshold for ZPP in blood at 100 mcg/dL with an assumed hematocrit of 42% converts to approximately 180 mcmol/mol heme.

4885B ZPP (Zinc Protoporphyrin), Blood

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

Specimen Requirements: 2 mL Blood
Transport Temperature: Refrigerated
Specimen Container: Royal Blue top tube (Trace metal-free; EDTA)
Light Protection: Yes
Special Handling: Clotted, hemolyzed or frozen blood specimens are not acceptable.
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). Green top tube (Sodium Heparin).
Stability: Room Temperature: Undetermined
Refrigerated: 7 day(s)
Frozen (-20 °C): Undetermined
Scope of Analysis: H (84202): ZPP
Method (CPT Code)



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Compound Name	Units	Reference Comment
ZPP	mcmol/mol heme	Normal range for Zinc Protoporphyrin (ZPP) is 30 – 80 mcmol/mol heme. OSHA requires ZPP whole blood concentrations to be reported in units of mcg/dL. For adults assuming a hematocrit of 42%, the conversion factor is mcmol/mol heme x 0.544 = mcg/dL. The OSHA occupational threshold for ZPP in blood at 100 mcg/dL with an assumed hematocrit of 42% converts to approximately 180 mcmol/mol heme.



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Discontinued Tests

Test Code	Test Name	Alternative Test
1930B	EP (FEP), Pediatric, Blood	No Alternate Tests Available
2494B	Lead, Micro and EP (Pediatric), Blood	No Alternate Tests Available