

CERTIFICATE OF ANALYSIS

Product Information

Product Name: Metals Level 2
Product Number: 44522
Manufacture Date: 01/12
Lot Number: 7985
Expiration Date: 07/14
Intended Use: In vitro diagnostic
Homogeneity: Sufficiently homogeneous for analytical testing

Precautions

Matrix: Normal human whole blood
Form: Lyophilized
Residual Moisture Content: < 1%
Anticoagulant: EDTA
Preservative: Sodium Fluoride
pH: 6-7
Virology: Non-reactive for HBsAg, HCV, and HIV
Microbial Growth: < 100 colony-forming units per milliliter

Storage and Stability

Storage Condition: 2-8°C (35-46°F)
Reconstituted Stability: 30 days
Volume Per Vial: 3 mL
Vial-to-Vial Variability: 3 mL ± 0.1%

Origin of Raw Material

Whole Blood: Interstate Blood, Donor Units JM045180-UM014363
Sodium Fluoride: Mallinckrodt Baker, Lot H05168, 100% purity
Arsenic: Sigma-Aldrich, Lot 63C-0510, ≥99% purity
Cadmium: Sigma-Aldrich, Lot 96F-05251, ≥98% purity
Chromium: Sigma-Aldrich, Lot 96F-0471, ≥98% purity
Lead: Sigma-Aldrich, Lot 05009PC, 100% purity
Manganese: Sigma-Aldrich, Lot 117F-0304, ≥99% purity
Mercury: Sigma-Aldrich, Lot 74K-0015, 99.5% purity
Selenium: Sigma-Aldrich, Lot 28F-0497, ≥98% purity
Thallium: Spectrum, Lot TF1024, 100% purity

Issue Date: 08/20/12

ICP/MS Reference Value

Arsenic:	21 ng/mL
Cadmium:	4.9 ng/mL
Chromium:	12 ng/mL
Lead:	40.3 µg/mL
Manganese:	25 ng/mL
Mercury:	14 ng/mL
Selenium:	206 ng/mL
Thallium:	9.3 ng/mL

Approved by:	<i>Kevin Kopp</i> Quality Assurance
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