

Overview

Method Name

Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)

NY State Available

Yes

Specimen

Specimen Type

RBCS

Specimen Required

Specimen Type: RBCs

Collection Container/Tube: Royal Blue top tube (Trace metal-free; EDTA)

Specimen Volume: 1 mL

Collection Instructions: Draw blood in a royal blue top (trace metal free; EDTA) tube(s). Centrifuge and separate plasma within two hours of collection. Leave RBCs in the original collection container and replace stopper. Send 1 mL RBC's refrigerated.

NOTE: Tubes containing Heparin based anticoagulants are not acceptable.

Reject Due To

Gross NA

hemo

lysis

Gross NA

lipem

ia

Gross NA

icteru

s

Other Polymer gel separation tube (PST), Received Room Temperature, Received Frozen, Light Green top tube /Tiss (Lithium Heparin), Tan top tube - glass (Sodium Heparin), Green top tube (Lithium Heparin), Royal Blue top ue/S tube (Trace metal-free; Sodium Heparin), Green top tube (Sodium Heparin).

wab

Specimen Minimum Volume

0.7 mL

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
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RBCS	Refrigerated (preferred)	14 days	METAL FREE
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Clinical & Interpretive

Reference Values

Reporting limit determined each analysis.

Units: mcg/dL

NMS Labs derived data for 2.5th-97.5th percentile range is 59-91 mcg/dL (n=1999).

The RBC sample used for analysis was measured by weight and multiplied by the density of human RBC (1.10 g/mL) to obtain mcg/dL units.

Cautions

Specimens for elemental testing should be collected in certified metal-free containers. Elevated results for elemental testing may be caused by environmental contamination at the time of specimen collection and should be interpreted accordingly. It is recommended that unexpected elevated results be verified by testing another specimen.

Performance

PDF Report

No

Performing Laboratory Location

NMS Labs

Fees & Codes

Test Classification

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the U.S. Food and Drug Administration.

CPT Code Information

82525

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
FCOPP	Copper, RBCs	5630-9

Result ID	Test Result Name	Result LOINC Value
Z3527	Copper	5630-9