MAYO CLINIC LABORATORIES

Test Definition: FCOPP

Copper, RBCs

Overview

Method Name
Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)

NY State Available
Yes

Specimen

Specimen Type
RBCS

Specimen Required
Must submit one specimen per order. Specimens cannot be shared between multiple orders.
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.

Specimen Minimum Volume
0.3 mL

Reject Due To

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

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
RBCS	Refrigerated	14 days	METAL FREE

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 in a trace metal free container.

Performance

PDF Report

No

Day(s) Performed

Monday through Sunday

Report Available

9 to 13 days

Performing Laboratory Location

NMS Labs

Fees & Codes

Fees

- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact Customer Service.

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.

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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