MAYO CLINIC LABORATORIES

Test Definition: FMNRB

Manganese, RBC and Plasma

Overview

Profile Information

Test Id	Reporting Name	Available Separately	Always Performed
FZ015	Manganese, Plasma	No	Yes
FZ016	Manganese, RBC	No	Yes

Method Name

Inductively Coupled Plasma/Mass Spectrometry (ICP-MS)

NY State Available

No

Specimen

Specimen Type

Metal Free EDTA Plasma
RBCS

Specimen Required

Both plasma and RBCs are required for testing.

Specimen Type: Packed RBCs and Plasma

Container/Tube: Royal blue-top (EDTA metal-free tube; metal-free transfer tubes

Specimen Volume: 3 mL each of plasma and packed RBCs

Collection Instructions: Both packed cells and plasma are required. Plasma and red cells must be separated ASAP and shipped separately. Failure to separate may cause rejection due to hemolysis of red cells and contamination of the plasma. Transfer RBCs and plasma into separate plastic, acid-washed, trace metal-free tubes. Ship refrigerated.

NOTE: Specimen must be received at the testing facility within five days of collection.

Specimen Minimum Volume

0.5 mL each plasma and RBCs

Reject Due To

Hemolysis	Reject
Other	Failure to separate plasma and red cells; specimen received more than 5 days after collection.

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Metal Free EDTA Plasma	Refrigerated (preferred)	5 days	METAL FREE
	Ambient	72 hours	METAL FREE
RBCS	Refrigerated (preferred)	5 days	METAL FREE
	Ambient	72 hours	METAL FREE

Clinical & Interpretive

Reference Values

Manganese, Plasma: <2.0 ng/mL
Manganese, RBC: 11.0 - 23.0 ng/mL

Interpretation

Manganese is highly concentrated in the cellular elements of blood. Hemolysis of the cellular elements that is unobservable to the naked eye can result in elevated plasma manganese concentrations.

Performance

PDF Report

No

Day(s) Performed

Monday through Sunday

Report Available

5 to 7 days

Performing Laboratory Location

Medtox Laboratories, Inc.

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 Labcorp. It has not been cleared or approved

by the Food and Drug Administration.

CPT Code Information

83785

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FMNRB	Manganese, Plasma and RBC	87467-7

Result ID	Test Result Name	Result LOINC® Value
Z2427	Manganese, Plasma	5683-8
Z2428	Manganese, RBC	5682-0