

Reporting Title: Manganese, S
Performing Location: Mayo Clinic Laboratories - Rochester Superior Drive

Specimen Requirements:

Patient Preparation: High concentrations of gadolinium and iodine are known to potentially interfere with most inductively coupled plasma mass spectrometry-based metal tests. If either gadolinium- or iodine-containing contrast media has been administered, **a specimen should not be collected for 96 hours**

Supplies:

- Metal Free B-D Tube (No Additive), 6 mL (T184)
- Metal Free Specimen Vial (T173)

Collection Container/Tube: 6 mL Plain, royal blue-top Vacutainer plastic trace element blood collection tube

Submission Container/Tube: 7-mL Mayo metal-free, screw-capped, polypropylene vial

Specimen Volume: 1.6 mL

Collection Instructions: See [Metals Analysis Specimen Collection and Transport](#) for complete instructions.

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	28 days	METAL FREE
	Ambient	28 days	METAL FREE
	Frozen	28 days	METAL FREE

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
8413	Manganese, S	Numeric	ng/mL	5683-8

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

83785

Reference Values:

- 0-17 years: Not established
- > or =18 years: 0.4-0.9 ng/mL