

Reporting Title: Copper, S
Performing Location: Rochester

Specimen Requirements:

Patient Preparation: High concentrations of gadolinium, iodine, and barium are known to interfere with most metal tests. If gadolinium-, iodine, or barium-containing contrast media has been administered, the specimen should not be collected for at least 96 hours.

Supplies:

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

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

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

Specimen Volume: 0.8 mL

Collection Instructions:

1. Allow the specimen to clot for 30 minutes; then centrifuge the specimen to separate serum from the cellular fraction.
2. Remove the stopper. Carefully **pour** specimen into metal-free, polypropylene vial, avoiding transfer of the cellular components of blood. **Do not insert a pipet into the serum to accomplish transfer, and do not ream the specimen with a wooden stick to assist with serum transfer.**
3. See [Metals Analysis Specimen Collection and Transport](#) for complete instructions.

Forms:

If not ordering electronically, complete, print, and send 1 of the following with the specimen:

- [General Test Request](#) (T239)
- [Gastroenterology and Hepatology Test](#) Request (T728)

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®
616155	Copper, S	Numeric	mcg/dL	5631-7

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

Supplemental Report:

No

CPT Code Information:

82525

Reference Values:

0-2 months: 40-140 mcg/dL
3-6 months: 40-160 mcg/dL
7-9 months: 40-170 mcg/dL
10-12 months: 80-170 mcg/dL
13 months-10 years: 80-180 mcg/dL
11-17 years: 75-145 mcg/dL
Males:
> or =18 years: 73-129 mcg/dL
Females:
> or =18 years: 77-206 mcg/dL