

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.

Specimen Minimum Volume:

0.2 mL

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