

Copper, Serum

Test ID: CUS1

Useful for:

Diagnosis of:

- Wilson disease
- Primary biliary cholangitis
- Primary sclerosing cholangitis

Method:

Dynamic Reaction Cell-Inductively Coupled Plasma-Mass Spectrometry (DRC-ICP-MS)

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

Specimen Requirements:

Container/Tube:	6 mL Plain, royal blue-top Vacutainer plastic trace element blood collection tube, 7-mL Metal-free, screw-capped, polypropylene submission vial
Preferred:	Metal Free B-D Tube (No Additive), 6 mL (T184) Metal Free Specimen Vial (T173)
Acceptable:	Metal Free collection and submission tubes
Specimen Volume:	0.8 mL
Collection Instructions:	<ol style="list-style-type: none">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 Trace Metals Analysis Specimen Collection and Transport for complete instructions.
Minimum Volume:	0.2 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	28 days
	Ambient	28 days
	Frozen	28 days

CPT Code:

82525

Day(s) Performed: Monday through Saturday **Report Available:** 1 to 3 days

Questions

Contact Rebekah Knauer, Laboratory Technologist Resource Coordinator at 800-533-1710.