

HOTLINE: Effective May 20, 2019

0020096 Copper, Serum or Plasma

COPPER

Performed: Sun-Sat
Reported: 1-3 days

Specimen Required: Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician).
Collect: Royal Blue (No Additive), Royal Blue (K₂ EDTA), or Royal Blue (Na₂ EDTA).
Specimen Preparation: **Separate from cells ASAP or within 2 hours of collection.** Transfer 2 mL serum or plasma to an ARUP Trace Element-Free Transport Tube (ARUP supply #43116) available online through eSupply using ARUP Connect™ or contact ARUP Client Services at (800) 522-2787. (Min: 0.5 mL)
Storage/Transport Temperature: Room temperature. Also acceptable: Refrigerated or frozen.
Unacceptable Conditions: **Specimens collected in containers other than specified. Specimens transported in containers other than specified.**
Stability (collection to initiation of testing): **Ambient: Indefinitely; Refrigerated: Indefinitely; Frozen: Indefinitely**

Reference Interval:
 Effective May 20, 2019

Age	Male	Female
0-10 years	75.0-153.0 µg/dL	75.0-153.0 µg/dL
11 years-12 years	64.0-132.0 µg/dL	64.0-132.0 µg/dL
13 years-18 years	57.0-129.0 µg/dL	57.0-129.0 µg/dL
19 years and older	70.0-140.0 µg/dL	80.0-155.0 µg/dL

Interpretive Data: Elevated results may be due to skin or collection-related contamination, including the use of a noncertified metal-free collection/transport tube. If contamination concerns exist due to elevated levels of serum/plasma copper, confirmation with a second specimen collected in a certified metal-free tube is recommended.

Serum copper may be elevated with infection, inflammation, stress, and copper supplementation. In females, elevated copper may also be caused by oral contraceptives and pregnancy (concentrations may be elevated up to 3 times normal during the third trimester). Serum copper may be reduced by use of corticosteroids and zinc and by malnutrition or malabsorption.

See Compliance Statement B: www.aruplab.com/CS

HOTLINE NOTE: Remove information found in the Note field. There is also a numeric map change associated with this test. Change the numeric map for component 0020096, Copper, Serum/Plasma from XXXX to XXX.X.