

HOTLINE: Effective May 17, 2021

New Test **3003756** **Copper, Red Blood Cells** **CU RBC**

Methodology: Quantitative Inductively Coupled Plasma-Mass Spectrometry
Performed: Sun-Sat
Reported: 1-4 days

Specimen Required: Collect: Royal Blue (EDTA).

Specimen Preparation: Centrifuge whole blood and separate RBCs from plasma within 2 hours of collection. Transfer 2 mL RBCs 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: 0.6 mL)

Storage/Transport Temperature: Room temperature. Also acceptable: Refrigerated.

Unacceptable Conditions: Specimens collected in tubes other than royal blue (EDTA). Specimens transported in containers other than Royal Blue (EDTA) tube or Trace Element-Free Transport Tube. Clotted or grossly hemolyzed specimens.

Stability (collection to initiation of testing): After separation from plasma: Ambient: 1 week; Refrigerated: 1 week; Frozen: Unacceptable

Reference Interval: 59.0-91.0 mcg/dL

Interpretive Data:

Copper concentrations in RBCs reflect the intracellular stores and general homeostasis of Copper. Results may be falsely elevated if RBCs in the submitted specimen are lysed or not promptly separated from plasma.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

CPT Code(s): 82525

New York DOH approval pending. Call for status update.

HOTLINE NOTE: Refer to the Test Mix Addendum for interface build information.