

0020461

Copper, Urine

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**Performed:** Sun-Sat  
**Reported:** 1- 5 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). Collection from patients receiving iodinated or gadolinium-based contrast media must be avoided for a minimum of 72 hours post-exposure. Collection from patients with impaired kidney function should be avoided for a minimum of 14 days post contrast media exposure.  
Collect: 24 Hour Urine. Refrigerate during collection. Specimen must be collected in a plastic container. Also acceptable: Random Urine.  
Specimen Preparation: Transfer an 8 mL aliquot from a well-mixed collection to ARUP Trace Element-Free Transport Tubes (ARUP supply #43116) available online through eSupply using ARUP Connect™ or contact ARUP Client Services at (800) 522-2787. (Min: 1 mL)  
Storage/Transport Temperature: Refrigerated. Also acceptable: Room temperature or frozen.  
Remarks: Record total volume and collection time interval on transport tube and on test request form.  
Unacceptable Conditions: Specimens collected within 72 hours after administration of iodinated or gadolinium-based contrast media. Acid preserved urine. Specimens transported in containers other than specified. Specimens contaminated with blood or fecal material.  
Stability (collection to initiation of testing): Ambient: 1 week; Refrigerated: 2 weeks; Frozen: 1 year

**Note:** Refer to Copper-Ceruloplasmin Index (Copper Free) (0025079) for Wilson disease screening test. High concentrations of iodine or gadolinium may interfere with elemental testing.