Lab Dept: Urine/Stool

Test Name: COPPER, TIMED URINE

General Information

Lab Order Codes: UCUQ

Synonyms: Cu, Quantitative Urine

CPT Codes: 82525 - Copper

Test Includes: Urine copper level reported in mcg/24 hrs.

Logistics

Test Indications: Useful for investigation of Wilson's disease and obstructive liver

disease.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Mayo Medical Laboratories (Test: CUU/8590)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 4 days; test set up Monday, Wednesday, Friday

Special Instructions: Refrigerate specimen within 4 hours of completion of 24-hour collection.

Specimen

Specimen Type: Urine

Container: 24 hour Urine Container

Draw Volume: 24 hour urine, submit entire collection to laboratory

Processed Volume: 10 mL (Minimum: 0.4 mL) from a 24 hour urine collection

Collection: 24 hour urine collection procedures. Collect in clean, plastic urine

container(s) with no metal cap(s) or glued insert(s).

Special Processing: Lab Staff: Mix 24-hour urine collection well. Measure and record entire

collection volume. Remove aliquot into a 13 mL urine tube or a clean, plastic aliquot container with no metal cap or glued insert (aliquot containers are provided by Mayo). Store and ship specimen at

refrigerated temperatures. Do Not add a preservative.

24-hour volume is required on request form for processing.

Note: If a preservative has been added for another collection, refer to

Mayo's website for acceptable options.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimen, specimens other than urine

Interpretive

Reference Range: 0 - 17 years: Not established

> or = 18 years: < or =60 mcg/24h

The reference value is for a 24-hour collection.

Critical Values: N/A

Limitations: High concentrations of barium are known to interfere with this test. If

barium-containing contrast media has been administered, a specimen

should not be collected for 96 hours.

Methodology: Dynamic Reaction Inductively Coupled Plasma –Mass Spectrometry

(DRC-ICP-MS)

References: <u>Mayo Medical Laboratories</u> (January 2017)

Updates: 11/22/2010: Random specimens will no longer be accepted under this

order code.

1/25/2017: Updated units and reference range.