
Lab Dept: Urine/Stool

Test Name: CYSTURIA PROFILE, QUANTITATIVE RANDOM URINE

General Information

Lab Order Codes: UCYSR

Synonyms: Cystine, random urine

CPT Codes: 82136 – Amino acids, 2 to 5 amino acids, quantitative, each

Test Includes: Cystine, Lysine, Ornithine, Arginine reported in nmol/mg creatinine

Logistics

Test Indications: Biochemical diagnosis and monitoring of cystinuria. Cystinuria is a disorder of the transport (intestine, kidney tubules) of four amino acids: cystine, lysine, arginine, and ornithine.

Lab Testing Sections: Urine/Stool – Sendouts

Referred to: Mayo Clinic Laboratories (Test: CYSR)

Phone Numbers: MIN Lab: 612-813-6580

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 - 5 days, test set up Monday - Friday

Special Instructions: N/A

Specimen

Specimen Type: Urine, random

Container: Plastic leakproof container

Draw Volume: 2 mL (Minimum: 1.0 mL) urine

Processed Volume: Same as Draw Volume

Collection: Routine urine collection

Special Processing: Lab Staff: Send specimen frozen in a plastic 10 mL urine tube. Forward promptly.

Specimen stable for 70 days frozen, 14 days refrigerated.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range: Interpretive information is included on the result report. See the reference lab catalog for more details.

Critical Values: N/A

Limitations: N/A

Methodology: Liquid Chromatography – Tandem Mass Spectrometry (LC-MS/MS)

References: [Mayo Clinic Laboratories](#) June 2024

Updates: 10/31/2012: Reference range update.
6/28/2024: Omitted outdated reference ranges. Increased required minimum volume.