
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 Medical 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: 0.5 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.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range:

Age/Amino Acid, Random urine (nmol/mg creatinine)				
	Arginine	Ornithine	Cystine	Lysine
<=12 mos	10 - 560	<265	12 - 504	19 - 1988
13 – 35 mos	20 - 395	<70	11 - 133	25 - 743
3 – 6 yrs	14 - 240	<44	<130	14 - 307
7 – 8 yrs	<134	<17	<56	17 - 276
9 – 17 yrs	<153	<18	<104	10 - 240
>=18 yrs	<114	<25	10 - 98	15 - 271

Critical Values: N/A

Limitations: N/A

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

References: [Mayo Medical Laboratories Web Page](#) October 2012

Updates: 10/31/2012: Reference range update.