
Reporting Title: Cystinuria Profile, QN, 24 hour**Performing Location:** Rochester**Necessary Information:**

1. 24-Hour volume (in milliliters) is required.
2. Patient's age is required.
3. Include family history, clinical condition (asymptomatic or acute episode), diet, and drug therapy information.

Specimen Requirements:

Supplies: Urine Tubes, 10 mL (T068)

Specimen Volume: 5 mL

Collection Instructions:

1. Collect before intravenous pyelogram.
2. Collect urine for 24 hours.
3. Add 20 mL of toluene as preservative at start of collection. If preservative is not available, refrigerate during collection.
4. Mix well before taking 5-mL aliquot.

Additional Information: See Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens for multiple collections.

Specimen Minimum Volume:

1 mL

Forms:

If not ordering electronically, complete, print, and send a Biochemical Genetics Test Request (T798) with the specimen.

Urine Preservative Collection Options:

Note: The addition of preservative must occur prior to beginning the collection. If preservative is not available, refrigerate during and after collection.

Ambient No

Refrigerate OK

Frozen OK

50% Acetic Acid No

Boric Acid No

Diazolidinyl Urea OK

6M Hydrochloric Acid No

6M Nitric Acid No

Sodium Carbonate No

Thymol No

Toluene Preferred

Specimen Type	Temperature	Time	Special Container
Urine	Frozen (preferred)	70 days	
	Refrigerated	14 days	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
CYSQN	TM38	Collection Duration	Plain Text	Yes
CYSQN	VL36	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
TM38	Collection Duration	Alphanumeric		13362-9
VL36	Urine Volume	Alphanumeric	Liter	3167-4
3583	Cystine	Numeric	mcmol/24 h	13966-7
3589	Lysine	Numeric	mcmol/24 h	25464-9
3590	Ornithine	Numeric	mcmol/24 h	25491-2
3591	Arginine	Numeric	mcmol/24 h	25322-9
50447	Reviewed By	Alphanumeric		18771-6

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82136

Reference Values:**CYSTINE**

3-15 years: 11-53 mcmol/24 h
> or =16 years: 28-115 mcmol/24 h

LYSINE

3-15 years: 19-140 mcmol/24 h
> or =16 years: 32-290 mcmol/24 h

ORNITHINE

3-15 years: 3-16 mcmol/24 h
> or =16 years: 5-70 mcmol/24 h

ARGININE

3-15 years: 10-25 mcmol/24 h
> or =16 years: 13-64 mcmol/24 h

Conversion Formulas:

Result in mcmol/24 hours x 0.24=result in mg/24 h

Result in mg/24 hours x 4.17=result in mcmol/24 h