

**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.

**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

