Test Definition: CYSQN

Cystinuria Profile, Quantitative, 24 Hour, Urine

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

Specimen Requirements:

Container/Tube: Plastic, 10-mL urine tube (Supply 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 toluene is not available, refrigerate during collection.
4. Mix well before taking 5-mL aliquot.

Additional Information:
1. 24-Hour volume is required.
2. See Urine Preservatives in Special Instructions for multiple collections.

Forms: New York Clients-Informed consent is required. Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing (Supply T576) is available in Special Instructions.

Urine Preservative Collection Options
Ambient No
Refrigerated Yes
Frozen Yes
6N HCl No
50% Acetic Acid No
Na2CO3 No
Toluene Preferred
6N HNO3 No
Boric Acid No
Thymol No

Specimen Type	Temperature	Time
Urine	Frozen	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®
50439	Specimen	Alphanumeric		N/A
50440	Specimen ID	Alphanumeric		N/A
50441	Source	Alphanumeric		31208-2
50442	Order Date	Alphanumeric		N/A
50444	Method	Alphanumeric		49549-9
TM38	Collection Duration	Alphanumeric		13362-9
VL36	Urine Volume	Numeric	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
50446	Amendment	Alphanumeric		In Process
50447	Reviewed By	Numeric		N/A
50448	Release Date	Alphanumeric		N/A

CPT Code: 1 × 82136

Reference Values:

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

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

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

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

Conversion Formulas:
Result in mcmol/24 hours x 0.24=result in mg/24 hours
Result in mg/24 hours x 4.17=result in mcmol/24 hours