Test Definition: CACU

Calcium/Creatinine, 24 Hour, Urine

Reporting Title: Calcium/Creat, 24 Hr, U
Performing Location: Rochester

Specimen Requirements:

Collection Container/Tube: Clean, plastic urine container with no metal cap or glued insert
Submission Container/Tube: Plastic, 10-mL urine tube (Supply T068) or clean, plastic aliquot container with no metal cap or glued insert
Specimen Volume: 10 mL
Collection Instructions:
1. Collect urine for 24 hours.
2. No preservative.
3. See Metals Analysis-Collection and Transport in Special Instructions for complete instructions.
4. Refrigerate specimen within 4 hours of completion of 24-hour collection.
Additional Information:
1. 24-Hour volume is required.
2. See Urine Preservatives in Special Instructions for multiple collections.

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

Specimen Type	Temperature	Time
Urine	Refrigerated (preferred)	28 days
	Frozen	28 days
	Ambient	14 days

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
CCR24	TM102	Collection Duration	Plain Text	Yes
CCR24	VL85	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
31781	Calcium, 24 Hr, U	Numeric	mg/spec	6874-2
31649	Calcium/Creatinine Ratio	Numeric	mg/g	13717-4
TM102	Collection Duration	Alphanumeric		13362-9
VL85	Urine Volume	Alphanumeric		3167-4
31643	Calcium Conc	Numeric	mg/L	18488-7
CC24	Creatinine Conc	Numeric	mg/dL	35674-1

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
CCR24	Calcium, 24 Hr, U	1	82340	Yes	Yes (order CAU)
CC24	Creatinine Conc			Yes	No

Reference Values:

CALCIUM, 24 HOUR, URINE
Males: 25-300 mg/specimen*
Females: 20-275 mg/specimen*
Hypercalciuria: >350 mg/specimen
*Values are for persons with average calcium intake (ie, 600-800 mg/day).

CALCIUM/CREATININE RATIO
0-12 months: <2,100 mg/g
13-24 months: <450 mg/g
25 months-5 years: <350 mg/g
6-10 years: <300 mg/g
11-18 years: <260 mg/g
> or =19 years: <220 mg/g