MAYO CLINIC
Mayo Medical Laboratories

Test Definition: 2HCAP

Calcium Excretion, 2-Hour Collection, Fasting, Urine

Reporting Title: Calcium Excretion, Fast, 2 Hr, U
Performing Location: Rochester

Specimen Requirements:

Collection Container/Tube: Plastic urine container
Submission Container/Tube: Plastic, 6-mL tube (Supply T465)
Specimen Volume: 5 mL
Collection Instructions:
1. Collect a 2-hour urine specimen.
2. Add 2 mL of 6N HCl as preservative at start of collection.
3. Instructions for 2-hour urine collection are as follows:
a. No food or drink after 6 p.m. the evening before the test (except as indicated by physician).
b. On the day of the test, do not void after 8 a.m.
c. At precisely 10 a.m., void (empty bladder). Discard urine.
d. Drink 2 glasses of water (1 at 10 a.m. and 1 at 11 a.m.). This must be deionized or distilled water.
e. Void (empty bladder) precisely at 12 noon.
f. Save all of urine voided at 12 noon in container provided.
Additional Information: 2-Hour volume is required.

Specimen Type	Temperature	Time
Urine	Frozen (preferred)	7 days
	Refrigerated	7 days

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
2HCA	TM69	Time	Plain Text	No
2HCA	VL55	Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
9331	Calcium Excretion, Fast, 2 Hr, U	Numeric		16518-3
VL55	Volume	Alphanumeric		13619-2
5072	Calcium	Numeric	mg/2 h	16518-3
5071	Creatinine	Alphanumeric		12585-6

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Result ID	Reporting Name	Type	Unit	LOINC®
5073	Calcium/Creatinine Ratio	Numeric	ratio	27037-1

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
2HCA	Calcium Excretion, Fast, 2 Hr, U	1	82340	Yes	No
CAU2	Calcium, U			Yes	Yes (order CAU)

Reference Values:

Absorptive hypercalciuria: <20 mg calcium/2-hour specimen or a calcium/creatinine ratio of <0.15
Nonabsorptive hypercalciuria: >30 mg calcium/2-hour specimen or a calcium/creatinine ratio of >0.15
Indeterminate: 20-30 mg calcium/2-hour specimen