



Laboratory Service Manual

Lab Dept: Urine/Stool

Test Name: **CALCIUM, URINE**

General Information

Lab Order Codes: UCAL

Synonyms: Ca, Urine

CPT Codes: 82340 – Calcium; urine quantitative

Test Includes: Urine calcium concentration in mg/dL

Logistics

Test Indications: The amount of calcium excreted into the urine is a measure of renal function, intestinal absorption, skeletal resorption, renal filtration, and dietary intake.

Lab Testing Sections: Chemistry

Phone Numbers:

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 day

Special Instructions: N/A

Specimen

Specimen Type: Urine, random collection

Container: Plastic leakproof container (No preservatives)

Draw Volume: 2 – 4 mL from a random urine collection

Processed Volume: Minimum: 1.0 mL urine



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Collection:	A random urine sample may be obtained by voiding into a urine cup and is often performed at the laboratory. Bring the refrigerated container to the lab. Make sure all specimens submitted to the laboratory are properly labeled with the patient's name, medical record number and date of birth.
Special Processing:	Lab Staff: Acidify calcium aliquot before analysis to a pH of 1-2 with 6N HCL.
Patient Preparation:	None
Sample Rejection:	Unlabeled specimens

Interpretive

Reference Range:	No reference ranges established for random urine samples
Critical Values:	N/A
Limitations:	N/A
Methodology:	O-Cresolphthalein Complexone/Colorimetric
Contraindications:	N/A
References:	Tietz (1999) Clinical Guide to Laboratory Tests, 3 rd ed, Philadelphia, WB Saunders Company, pp 1404-1405 Dimension Calcium Flex Insert, P/N 717123.002 Rev I 6/00