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**Lab Dept:** Urine/Stool

**Test Name:** **CALCIUM, URINE**

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***General Information***

**Lab Order Codes:** UCAL

**Synonyms:** Ca, Urine

**CPT Codes:** 82340 – Calcium; urine quantitative

**Test Includes:** Urine calcium concentration in mg/dL

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***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:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 day

**Special Instructions:** N/A

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***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 mL urine

**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.

<b>Special Processing:</b>	Lab Staff: Acidify calcium aliquot before analysis to a pH of 1-2 with 6N HCL.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

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### ***Interpretive***

<b>Reference Range:</b>	No reference ranges established for random urine samples
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	N/A
<b>Methodology:</b>	O-Cresolphthalein Complexone/Colorimetric
<b>References:</b>	CA Flex reagent cartridge insert (RXL), PN 717123.002 – Version M, Rev 2013-01-11  CA Flex reagent cartridge insert (Vista) PN 781023.001 – Version E , Rev 2013-07-24  Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition  Biorad Liquichek Unassayed Chemistry Control Product Insert, Bio-Rad Laboratories, Irvine, CA  Biorad Multiquel Assayed Chemistry Control Product Insert, Bio-Rad Laboratories, Irvine, CA  Biorad Liquichek Urine Chemistry Control Product Insert, Bio-Rad Laboratories, Irvine, CA
<b>Updates:</b>	9/16/2014: Updated references.