

Cyclic Adenosine Monophosphate (cAMP), Urinary Excretion, Serum and Urine

Test ID: CARU

Useful for:

Differential diagnosis of hypercalcemia

Adjunct to serum parathyroid hormone measurements, especially in the diagnosis of parathyroid hormone resistance states, such as pseudohypoparathyroidism

Profile Information:

Test ID	Reporting Name	Available Separately	Always Performed
ACREA	Creatinine, S	Yes (Order CRTS1)	Yes
CAMP	Cyclic Amp, Urinary Excretion	No	Yes
CRETR	Creatinine, Random, U	Yes (order RCTUR)	Yes

Methods:

ACREA, CRETR: Enzymatic Colorimetric Assay

CAMP: High-Performance Liquid Chromatography (HPLC)

Reference Values:

CYCLIC AMP

1.3-3.7 nmol/dL of glomerular filtrate

CREATININE, SERUM

Males

0-11 months: 0.17-0.42 mg/dL

1-5 years: 0.19-0.49 mg/dL

6-10 years: 0.26-0.61 mg/dL

11-14 years: 0.35-0.86 mg/dL

> or =15 years: 0.74-1.35 mg/dL

Females

0-11 months: 0.17-0.42 mg/dL

1-5 years: 0.19-0.49 mg/dL

6-10 years: 0.26-0.61 mg/dL

11-15 years: 0.35-0.86 mg/dL

> or =16 years: 0.59-1.04 mg/dL

CREATININE, URINE

No reference values apply. Interpret with other clinical data.

Specimen Requirements:

Both serum and urine are required. Serum must be obtained at time of urine collection.

Specimen Type: Serum

Container/Tube:

Preferred: Red top

Acceptable: Serum gel

Specimen Volume: 1 mL

Collection Instructions: Label specimen as serum.

Specimen Type: Urine

Supplies: Urine Container, 60 mL (T313)

Container/Tube: Plastic urine container

Specimen Volume: 16 mL

Collection Instructions:

1. Collect a random urine specimen.
2. Label specimen as urine.

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Frozen	90 days
Urine	Refrigerated (preferred)	28 days
	Frozen	28 days

Cautions:

Parathyroid suppression (hypoparathyroidism) does not lower urinary adenosine cyclic 3',5'-monophosphate (cAMP) excretion to definitely subnormal values.

CPT Code:

82030

82570

82565

Day(s) Setup: Wednesday **Analytic Time:** 2 days

Questions

Contact Brandon DeBoom, Laboratory Technologist Resource Coordinator at 800-533-1710.