

Reporting Title: Citrate Excretion, Random, U

Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Ordering Guidance:

A timed 24-hour collection is the preferred specimen for measuring and interpreting this urinary analyte. Order CITR / Citrate Excretion, 24 Hour, Urine.

Random collections normalized to urinary creatinine may be of some clinical use in patients who cannot collect a 24-hour specimen, typically small children.

Specimen Requirements:

Patient Preparation: Any drug that causes alkalemia or acidemia may be expected to alter citrate excretion and should be avoided, if possible. The patient must avoid laxative use for 24 hours prior to collection.

Supplies: Sarstedt 5 mL Aliquot Tube (T914)

Container/Tube: Plastic, 5-mL tube

Specimen Volume: 4 mL

Collection Instructions:

1. Collect a random urine specimen.
2. No preservative.

Forms:

If not ordering electronically, complete, print, and send a [Renal Diagnostics Test Request](#) (T830) with the specimen.

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	14 days	
	Frozen	14 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
CRETR	Creatinine, Random, U	Numeric	mg/dL	2161-8
CITR2	Citrate Concentration, Random, U	Numeric	mg/dL	2128-7
RAT10	Citrate/Creatinine Ratio	Numeric	mg/mg	13722-4

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
CITR2	Citrate Concentration, Random, U	1	82507	Yes	No
CRETR	Creatinine, Random, U	1	82570	Yes	No
RAT10	Citrate/Creatinine Ratio	1	82507	Yes	No

CPT Code Information:

82507
82570

Reference Values:

No established reference values.