

Reporting Title: Citrate Excretion, 24 Hr, U

Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Necessary Information:

Patient's age and 24-hour volume (in milliliters) are required.

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 hour collection period.

Supplies:

-Diazolidinyl Urea (Germall) 5.0 mL (T822)

-Sarstedt 5 mL Aliquot Tube (T914)

Container/Tube: Plastic tube

Specimen Volume: 4 mL

Collection Instructions:

1. Add 5 mL of diazolidinyl urea (Germall) as preservative at start of collection **or** refrigerate specimen during and after collection.

2. Collect urine for 24 hours.

3. Mix well before taking 4-mL aliquot.

Additional Information: See [Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens](#) for multiple collections.

Forms:

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

Urine Preservative Collection Options:

Note: The addition of preservative **must occur at the start of collection** or application of temperature controls **must occur during and after collection**

Ambient	No
Refrigerate	OK
Frozen	OK
50% Acetic Acid	No
Boric Acid	OK
Diazolidinyl Urea	Preferred
6M Hydrochloric Acid	No
6M Nitric Acid	No
Sodium Carbonate	No
Thymol	OK
Toluene	No

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

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
CITR	TM51	Collection Duration	Plain Text	Yes
CITR	VL49	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
CITRT	Citrate Excretion, 24 Hr, U	Numeric	mg/24 h	6687-8
TM51	Collection Duration	Alphanumeric	h	13362-9
VL49	Urine Volume	Numeric	mL	3167-4

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

Supplemental Report:

No

CPT Code Information:

82507

Reference Values:

- 0-19 years: not established
- 20 years: 150-1,191 mg/24 hours
- 21 years: 157-1,191 mg/24 hours
- 22 years: 164-1,191 mg/24 hours
- 23 years: 171-1,191 mg/24 hours
- 24 years: 178-1,191 mg/24 hours
- 25 years: 186-1,191 mg/24 hours
- 26 years: 193-1,191 mg/24 hours
- 27 years: 200-1,191 mg/24 hours
- 28 years: 207-1,191 mg/24 hours
- 29 years: 214-1,191 mg/24 hours
- 30 years: 221-1,191 mg/24 hours
- 31 years: 228-1,191 mg/24 hours
- 32 years: 235-1,191 mg/24 hours
- 33 years: 242-1,191 mg/24 hours
- 34 years: 250-1,191 mg/24 hours
- 35 years: 257-1,191 mg/24 hours
- 36 years: 264-1,191 mg/24 hours
- 37 years: 271-1,191 mg/24 hours
- 38 years: 278-1,191 mg/24 hours
- 39 years: 285-1,191 mg/24 hours
- 40 years: 292-1,191 mg/24 hours

41 years: 299-1,191 mg/24 hours
42 years: 306-1,191 mg/24 hours
43 years: 314-1,191 mg/24 hours
44 years: 321-1,191 mg/24 hours
45 years: 328-1,191 mg/24 hours
46 years: 335-1,191 mg/24 hours
47 years: 342-1,191 mg/24 hours
48 years: 349-1,191 mg/24 hours
49 years: 356-1,191 mg/24 hours
50 years: 363-1,191 mg/24 hours
51 years: 370-1,191 mg/24 hours
52 years: 378-1,191 mg/24 hours
53 years: 385-1,191 mg/24 hours
54 years: 392-1,191 mg/24 hours
55 years: 399-1,191 mg/24 hours
56 years: 406-1,191 mg/24 hours
57 years: 413-1,191 mg/24 hours
58 years: 420-1,191 mg/24 hours
59 years: 427-1,191 mg/24 hours
60 years: 434-1,191 mg/24 hours
>60 years: not established