

Reporting Title: Creatinine Clearance
Performing Location: Rochester

- Necessary Information:**
- 1. 24-Hour volume is required.
 - 2. Patient's height in centimeters and weight in kilograms are required.

Specimen Requirements:
Both serum and urine are required. Serum must be collected no earlier than 72 hours before start of urine collection and no later than 72 hours after urine collection is completed.

Specimen Type: Serum
Collection Container/Tube:
Preferred: Serum gel
Acceptable: Red top
Submission Container/Tube: Plastic vial
Specimen Volume: 1 mL
Collection Instructions:

- 1. Centrifuge and aliquot serum into plastic vial.
- 2. Label specimen as serum.

Specimen Type: Urine
Supplies: Sarstedt 5 mL Aliquot Tube (T914)

Specimen Volume: 5 mL
Collection Instructions:

- 1. Collect urine for 24 hours.
- 2. Refrigerate specimen within 4 hours of completion of 24-hour collection.
- 3. Label specimen as urine.

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

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 or application of temperature controls **must occur within 4 hours of completion** of the collection.

Ambient	Preferred
Refrigerate	OK
Frozen	OK
50% Acetic Acid	OK
Boric Acid	OK
Diazolidinyl Urea	OK
6M Hydrochloric Acid	OK

6M Nitric Acid	OK
Sodium Carbonate	OK
Thymol	OK
Toluene	No

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)		
	Frozen		
Urine	Refrigerated (preferred)		
	Ambient		
	Frozen		

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
CRCU	W2	Weight	Plain Text	Yes
CRCU	VL52	Volume	Plain Text	Yes
CRCU	VL52	Volume	Plain Text	Yes
CRCU	TM54	Time	Plain Text	Yes
CRCU	W2	Weight	Plain Text	Yes
CRCU	TM54	Time	Plain Text	Yes
CRCU	HT1	Height	Plain Text	Yes
CRCU	HT1	Height	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
CRE_U	Creatinine, U	Numeric	mg/dL	20624-3
TM54	Time	Numeric	h	13362-9
VL52	Volume	Numeric	mL	3167-4
CRCL1	Creatinine Clearance	Numeric	mL/min/BSA	12195-4
CRTSA	Creatinine, S	Numeric	mg/dL	2160-0
EGFR1	Estimated GFR (eGFR)	Numeric	mL/min/BSA	98979-8

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
---------	----------------	-----------	----------	------------------	----------------------

CRTS1	Creatinine with eGFR, S	1	82565	Yes	Yes
CRCU	Creatinine, U	1	82575	Yes	No

CPT Code Information:

82575

Reference Values:

CREATININE CLEARANCE

Males:

0-18 years: Not established

19-75 years: 77-160 mL/min/body surface area (BSA)

> or =76 years: Not established

Females:

0-17 years: Not established

18-29 years: 78-161 mL/min/BSA

30-39 years: 72-154 mL/min/BSA

40-49 years: 67-146 mL/min/BSA

50-59 years: 62-139 mL/min/BSA

60-72 years: 56-131 mL/min/BSA

> or =73 years: Not established

CREATININE, URINE:

Reported in units of mg/dL

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

Estimated glomerular filtration rate (eGFR)

> or =18 years old: > or =60 mL/min/BSA

eGFR calculated using the 2021 CKD-EPI creatinine equation

Note: eGFR results will not be calculated for patients younger than 18 years old.

