

**Reporting Title:** Creatinine, 24 HR, U  
**Performing Location:** Mayo Clinic Laboratories - Rochester Main Campus

**Necessary Information:**  
24-Hour volume (in milliliters) is required.

**Specimen Requirements:**  
**Supplies:** Sarstedt 5 mL Aliquot Tube (T914)  
**Collection Container/Tube:** 24-hour graduated urine container with no metal cap or glued insert  
**Submission Container/Tube:** Plastic tube or a clean, plastic aliquot container with no metal cap or glued insert  
**Specimen Volume:** 4 mL  
**Collection Instructions:**  
1. Collect urine for 24 hours.  
2. Refrigerate specimen within 4 hours of completion of 24-hour collection.

**Additional Information:**  
1. This test does not require the use of a chemical preservative; if a chemical preservative is used, it must be added to the specimen within 4 hours of completion of 24-hour collection.  
2. 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 or application of temperature controls **must occur within 4 hours of completion** of the collection.

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

| Specimen Type | Temperature              | Time    | Special Container |
|---------------|--------------------------|---------|-------------------|
| Urine         | Refrigerated (preferred) | 30 days |                   |
|               | Ambient                  | 14 days |                   |
|               | Frozen                   | 30 days |                   |

**Ask at Order Entry (AOE) Questions:**

| Test ID | Question ID | Description | Type | Reportable |
|---------|-------------|-------------|------|------------|
|---------|-------------|-------------|------|------------|

|     |      |                     |            |     |
|-----|------|---------------------|------------|-----|
| CTU | TM10 | Collection Duration | Plain Text | Yes |
| CTU | VL8  | Urine Volume        | Plain Text | Yes |

Result Codes:

| Result ID | Reporting Name           | Type    | Unit    | LOINC®  |
|-----------|--------------------------|---------|---------|---------|
| NCTU_     | Creatinine Concentration | Numeric | mg/dL   | 20624-3 |
| CRE_A     | Creatinine, 24 HR, U     | Numeric | mg/24 h | 2162-6  |
| TM10      | Collection Duration      | Numeric | h       | 13362-9 |
| VL8       | Urine Volume             | Numeric | mL      | 3167-4  |

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

Supplemental Report:

No

CPT Code Information:

82570

Reference Values:

Reference values mg per 24 hours:

Males > or =18 years: 930-2955 mg/24 hours

Females > or =18 years: 603-1783 mg/24 hours

Reference values have not been established for patients who are less than 18 years of age.

For SI unit Reference Values, see [www.mayocliniclabs.com/order-tests/si-unit-conversion.html](http://www.mayocliniclabs.com/order-tests/si-unit-conversion.html)