

**Reporting Title:** Urea, Random, U  
**Performing Location:** Rochester

**Ordering Guidance:**

A timed 24-hour urine collection is the preferred specimen for measuring and interpreting this urinary analyte. See URCR / Uric Acid, 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:**

**Supplies:** Sarstedt 5 mL Aliquot Tube (T914)

**Container/Tube:** Plastic 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                   | 30 days |                   |
|               | Ambient                  | 7 days  |                   |

**Result Codes:**

| Result ID | Reporting Name  | Type    | Unit  | LOINC® |
|-----------|-----------------|---------|-------|--------|
| URCON     | Urea, Random, U | Numeric | mg/dL | 3092-4 |

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

**Supplemental Report:**

No

**CPT Code Information:**

84540

**Reference Values:**

No established reference values

Random urine urea may be interpreted in conjunction with serum urea, using both values to calculate fractional excretion of urea.

---

The calculation for fractional excretion (FE) of urea is  
 $FE(U) = \frac{[U(urine) \times Creat(serum)]}{[U(serum) \times Creat(urine)]} \times 100$