

Reporting Title: Urea, Random, U

Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

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	
	Ambient	7 days	
	Frozen	30 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.

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