
Lab Dept: Urine/Stool

Test Name: URIC ACID, TIMED URINE

General Information

Lab Order Codes: UUAQ

Synonyms: Uric Acid, Urine, 24 hours

CPT Codes: 84560 – Uric acid, other source
81050 – Volume measurement for timed specimen

Test Includes: Urine uric acid concentrations in mg/dL and mg/collection

Logistics

Test Indications: Elevated uric acid levels suggest that the body is not properly metabolizing the breakdown of purines. The practitioner will need to investigate the over-production of uric acid or whether the patient is unable to clear the uric acid due to kidney malfunction. Quantitation of urinary uric acid excretion is an aid in selecting treatment for asymptomatic hyperuricemia.

Lab Testing Sections: Chemistry

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 day

Special Instructions: Submit an entire 24-hour urine collection. No preservative. Refrigerate specimen during and after collection.

Note: Starting and ending times of collection are required for a timed urine collection and must be documented electronically or on the proper request form.

Specimen

Specimen Type: Urine, timed collection

Container: Plastic leakproof container (No preservative). Urine GUARD® collection container is preferred for a timed urine sample.

Draw Volume: Submit an entire 24-hour urine collection

Processed Volume:	Minimum: 0.5 mL urine
Collection:	For timed urine collections, empty the bladder, discard the voided sample, and note the start time. Collect all urine voided for the specified time period. At the end of the period, note the finishing time, add the last voided sample to the container by emptying the bladder. Bring the refrigerated container to the lab. Make sure all specimens submitted to the laboratory are properly labeled with the patient's name, medical record number and date of birth.
Special Processing:	N/A
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	0 – 750 mg/collection Note: The reference value is for a 24 hour collection. Specimens collected for other than a 24 hour time period have no reference values established.
Critical Values:	N/A
Limitations:	N/A
Methodology:	Uricase
References:	URCA Flex® reagent cartridge insert sheet, Siemens Healthcare Diagnostics Inc, 2009-04-01 K PN 717077.001 - US Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition Tietz Textbook of Clinical Chemistry (1999) 3rd Edition, W.B. Saunders Company, pp. 50-51, 1245-1250 Biorad Liquichek□ Unassayed Chemistry Control (Human) product insert, Irvine, CA Biorad Liquichek□ Urine Chemistry Control Product insert, Bio-Rad Laboratories, Irvine, CA 92618 Curesearch, Children's Oncology Group, ANHL01P1 protocol for Rasburicase