Lab Dept: Urine/Stool

Test Name: UREA NITROGEN, TIMED URINE

General Information

Lab Order Codes: UUNQ

Synonyms: BUN, Urine; Urea Nitrogen, 24 hour urine

CPT Codes:
- 84540 – Urea nitrogen; urine
- 81050 – Volume measurement for timed specimen

Test Includes:
Urea nitrogen concentration in mg/dL and g/collection

Logistics

Test Indications:
The urea nitrogen level, along with creatinine, is used to evaluate kidney function. It is used to monitor patients with kidney failure or those receiving dialysis therapy.

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: 7 - 20 g/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: Urease/Glutamate Dehydrogenase Enzymatic

References:
BUN Flex™ reagent cartridge insert sheet, Siemens Healthcare Diagnostics Inc, 2008-03-04 L 717021.001 - US
Clinical Significance, Siemens Healthcare Diagnostics Inc, Newark, Delaware 19714