
Lab Dept: Urine/Stool

Test Name: SODIUM, TIMED URINE

General Information

Lab Order Codes: UNAQ

Synonyms: Na, Urine; Quantitative; Sodium, 24 hour urine

CPT Codes: 84300 – Sodium; urine
81050 – Volume measurement for timed collection

Test Includes: Urine sodium concentrations in mEq/L and mEq/collection

Logistics

Test Indications: Urine sodium levels are typically tested in patients with high blood pressure and high blood sodium levels. It is often evaluated in persons with abnormal kidney test values to help the practitioner determine the cause of kidney damage by monitoring electrolyte balance.

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:	Lab Staff: Measure total volume of specimen submitted and record by ordering PV (Period and Volume) in the LIS. Pour off an aliquot and centrifuge specimen before analysis. (Note: Turbid specimens should be brought to room temp and mixed well before an aliquot is taken).
Patient Preparation:	None
Sample Rejection:	Mislabeled and unlabeled specimens

Interpretive

Reference Range:	40 - 220 mEq/collection Note: The reference value is for a 24 hour collection. Specimens collected for other than 24 hours have no reference ranges established.
Critical Values:	N/A
Limitations:	N/A
Methodology:	Ion Selective Electrode
References:	Bio-Rad Liquichek Urine Chemistry Control Product Insert, Bio-Rad Laboratories, Irvine, CA, 92618 Alinity ICT Urine Calibrator Package Insert, Abbott Laboratories Diagnostics Division, Abbott Park, IL 60064, USA. January 2018 Alinity ICT Sample Diluent (ICTD5) Package Insert, Abbott Laboratories Diagnostics Division, Abbott Park, IL 60064, USA. January 2018 Tietz Textbook of Clinical Chemistry (1999), 3rd Edition, W.B. Saunders Company Clinical Significance, Dade Behring Inc., Glasgow Business Community, Mailbox 531, P.O. Box 6101, Newark, Delaware 19714 Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition

Update:

9/28/2017: Updated lab processing

11/25/2020: Updated for method Abbott Alinity