
Lab Dept: Urine/Stool

Test Name: POTASSIUM, TIMED URINE

General Information

Lab Order Codes: UKQ

Synonyms: K Quantitative, Urine; K 24 hour urine

CPT Codes: 84133 – Potassium; urine
81050 – Volume measurement for timed collection, each

Test Includes: Urine potassium in mEq/L and mEq/collection

Logistics

Test Indications: Urinary measurement of potassium is useful in classifying renal and non-renal loss.

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 or unlabeled specimens

Interpretive

Reference Range: 25 - 125 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: Integrated Multisensor Technology

References: QuikLYTE® Integrated Multisensor insert sheet 2009-09-10 PN 717500.003 – US, Rev. K Siemens Healthcare Diagnostics Dimension RxL MAX Operator's Guide (May 2003)
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 Lexi-Comp, Inc (2001) Hudson, OH, 5th Edition

Updates: 9/28/2017: Lab processing update.