
Lab Dept: Urine/Stool

Test Name: PROTEIN, TIMED URINE

General Information

Lab Order Codes: UTPQ

Synonyms: Total Protein, Timed Urine; Total Protein, 24 hour Urine; TP, Quantitative Urine

CPT Codes: 84155 – Protein; total, except refractometry
81050 – Volume measurement for timed collection

Test Includes: Urine protein concentrations in mg/dL and mg/collection

Logistics

Test Indications: The kidney glomeruli behave as ultrafilters for plasma proteins. Urine total protein can be used to test the effects of treatment in diabetes, nephrotic syndrome and in disease processes where proteinuria is possible.

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: 1 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 - 99 mg/collection

Note: The reference values are for a 24 hour collection. Specimens collected for other than a 24 hour time period have no reference ranges established.

Critical Values: N/A

Limitations: N/A

Methodology: Benzethonium chloride

References: Abbott Alinity Urine/CSF Protein Reagent Instructions for Use, Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA. March 2018

Abbott Alinity Urine/CSF Protein Calibrator Instructions for Use, Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA. May 2018

Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition

Bio-Rad Liquichek Spinal Fluid Control Product insert, Bio-Rad Laboratories

Bio-Rad Liquichek □ Urine Chemistry Control Product insert, Bio-Rad Laboratories

Updates: 9/16/2014: Updated references
 11/24/2020: Updated for method Abbott Alinity, removed method Siemens Vista/Dimension

