
Lab Dept: Urine/Stool

Test Name: PROTEIN, URINE

General Information

Lab Order Codes: UTPR

Synonyms: Total Protein Random Urine; TP, Random Urine

CPT Codes: 84155 – Protein; total, except refractometry

Test Includes: Urine protein concentration in mg/dL

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: N/A

Specimen

Specimen Type: Urine, random collection

Container: Plastic leakproof container (No preservatives)

Draw Volume: 1 - 3 mL from a random urine collection

Processed Volume: Minimum: 0.5 mL urine

Collection: A random urine sample may be obtained by voiding into a urine cup. 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: Specimen stability: Refrigerated: 3 days

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range: 2 - 8 mg/dL

Critical Values: N/A

Limitations: N/A

Methodology: Pyrogallol Red-Molybdate

References: Siemens Dimension Vista UCFP Flex® reagent cartridge Instructions for Use, Siemens Healthcare Diagnostics Inc., PN 717026.001 – US, Rev G, 2014-07-14

Siemens Dimension Vista UCFP Calibrator Instructions for Use, Siemens Healthcare Diagnostics Inc., PN 761260.001 – US, Rev D, 10/2012

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

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

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

Updates: 7/21/2015: Updated for Vista Method