

PROTEIN, URINE

Orderable - PRU

Turn Around Time: 4 hours

STAT: 1 hour

Specimen:

Random urine

Collection Information:

Collect a minimum of 5 mL of random urine in a sterile container.

Reference Ranges:

Reference range for urine protein:	
0.0 – 0.15 g/L	
Reference ranges for protein:creatinine ratio:	
Children and adults:	<23 mg/mmol creatinine
Pregnant women:	<30 mg/mmol creatinine

Interpretive Comments:

Useful in the evaluation of renal disease.

Screening for monoclonal gammopathy.

Increased amounts of protein in the urine may be due to:

- (1) Glomerular proteinuria: caused by defects in the glomerular filtration barrier permeability (e.g. glomerulonephritis or nephrotic syndrome);
- (2) Tubular proteinuria: inadequate tubular reabsorption of proteins (e.g. interstitial nephritis);
- (3) Overflow proteinuria: caused by increased plasma concentration of protein(s) (e.g. multiple myeloma, myoglobinuria); and
- (4) Urinary tract inflammation or tumour

Comments:

Contamination of urine with menstrual blood, prostatic secretions, or semen may contribute to increased urine protein levels (false-positives).



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Turbidimetric



Test Schedule:
As required



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When protein is ordered on a random urine, creatinine will be ordered automatically and the protein:creatinine ratio will calculate automatically.