

TEST CHANGE

Protein Electrophoresis with Reflex to Immunofixation, Serum

2002109, SPEP REFLEX

Specimen Requirements:

Patient Preparation:

Collect: Serum Separator Tube (SST).

Specimen Preparation: Separate from cells ASAP or within 2 hours of collection. Transfer 1.5 mL serum to an ARUP Standard Transport Tube. (Min: 1.5 mL)

Transport Temperature: Refrigerated.

Unacceptable Conditions: Plasma.

Remarks:

Stability: After separation from cells: Ambient: Unacceptable; Refrigerated: 1 week; Frozen: 1 month

Methodology: Quantitative Capillary Electrophoresis/Qualitative Immunofixation Electrophoresis/Quantitative Immunoturbidimetry/Colorimetry

Performed: Sun-Sat

Reported: 1-5 days

Note: If patterns from serum protein electrophoresis are monoclonal or suspicious, then Immunofixation Electrophoresis will be added. Additional charges apply. No additional testing will be added for proteins that are normal, polyclonal, or that lack monoclonal patterns.

CPT Codes: 84155; 84165; if reflexed, add 82784 x3; 86334

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

Serum protein electrophoresis, when used as a screening test, is useful in the detection of various pathophysiologic states such as inflammation, protein loss, gammopathies, and other dysproteinemias. However, immunofixation electrophoresis (IFE) is a more sensitive technique for the identification of small M-proteins found in patients with amyloidosis, early or treated myeloma or macroglobulinemia, solitary plasmacytoma, or extramedullary plasmacytoma.

Reference Interval:

Test Number	Components	Reference Interval
	Albumin	3.75-5.01 g/dL
	Alpha 1 Globulin	0.19-0.46 g/dL
	Alpha 2 Globulin	0.48-1.05 g/dL
	Beta Globulin	0.48-1.10 g/dL
	Gamma	0.62-1.51 g/dL
	Total Protein, Serum	Refer to report. Reference intervals may vary based on instrumentation.
	<u>Monoclonal Protein</u>	<u><=0.00 g/dL</u>