

MULTIPLE MYELOMA COMPERHENSIV PANEL

Protein Total Serum

Serum

Albumin Serum

Serum

Albumin / Globulin Ratio

Serum

IMMUNOLOGY

Test Name	Results	Status	Units	Bio. Ref. Interval	Method
-----------	---------	--------	-------	--------------------	--------

[PDF Attached](#)

Alpha 1 Globulin Serum

Alpha 2 Globulin

Serum

Beta Globulin

Serum

Gamma Globulin

Serum

M Band

Serum

INTERPRETATION

Serum

Comment
 Serum Protein electrophoresis (SPE) is used to identify patients with Monoclonal gammopathies like Multiple Myeloma (MM), Waldenstrom's macroglobulinemia, AL Amyloidosis as well as premalignant conditions like Monoclonal gammopathy of unknown significance (MGUS) and Smoldering Myeloma and other serum protein abnormalities like Nephrotic syndrome, Alpha 1 antitrypsin disorder and inflammatory processes associated with infection, liver diseases & autoimmune disorders. Monoclonal gammopathies indicate clonal expansion of plasma cells or mature B cells. They are present in 8% of geriatric patients and require further evaluation for monitoring & prognosis. SPE can be used for monitoring response to therapy, a decrease or increase of M spike by 0.5g/dl is considered significant.

If SPE alone is used as initial diagnostic screen it will be able to detect approximately 88% of all MM, 66% of AL Amyloidosis and 56% of Light Chain Deposition Disease (LCDD) patients. SPE has good sensitivity in detecting intact monoclonal protein but has limited sensitivity in detecting monoclonal free light chains (FLC). Diagnosis of Light chain MM, Non secretory MM, about 40% cases of AL Amyloidosis & LCDD patients require more detailed testing which includes SPE along with IFE and FLC.

Patient Name	Visit Type	:
Age/Gender	Collection On	
Referred by	Received On	
Referring Panel	Reported On	
Barcode No		:
SRF ID	Report Status	:

SPECIAL INVESTIGATIONS

Test Name	Results	Status	Units	Bio. Ref. Interval	Method
-----------	---------	--------	-------	--------------------	--------

Serum IgA
Serum

SERUM IgM
Serum

IgM Band
Serum

IgG Band
Serum

IgA Band
Serum

Kappa Band
Serum

Lamda Band
Serum

INTERPRETATION
Serum

ANTIBODY TEST

Test Name	Results	Status	Units	Bio. Ref. Interval	Method
Free Light chain(FLC)					
Free Kappa(Light Chain)					
<i>Serum</i>					
Free Lambda (Light Chain)					
<i>Serum</i>					
Free Kappa / Lambda Ratio					
<i>Serum</i>					

Serum Protein Electrophoresis Report

Patient Name

Age/Sex

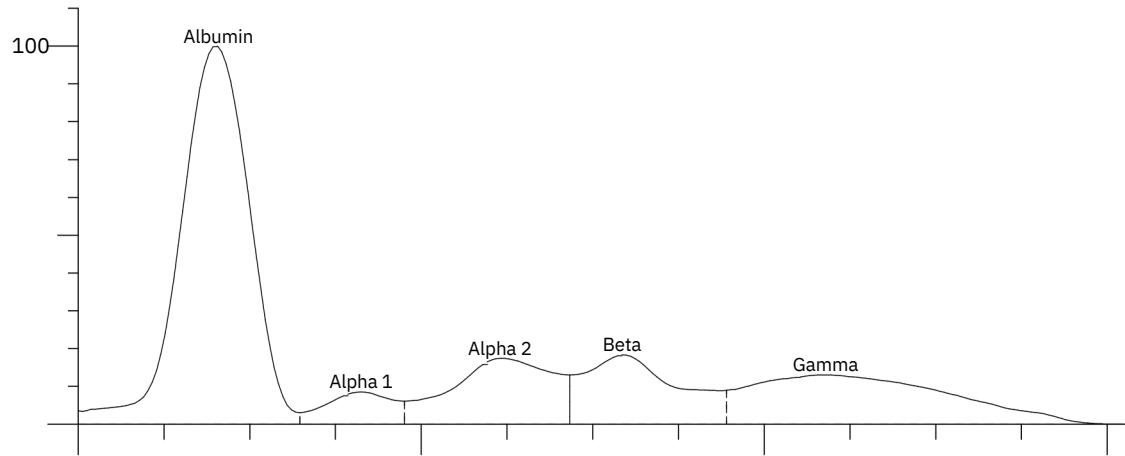
Referring Doctor

Referring Customer

Sample Vial ID

Reg No.

Collection Centre



Index	Band	Area	Rel. Area	Total Protein Conc. (g/dl)	Range (g/dl)
1	2	Albumin			
3	4	Alpha 1			
5		Alpha 2			
Tota		Beta			
l		Gamma			

Ratio A/G