



MC - 6438

NABL Accredited

IMMUNOLOGY

Test Name	Results	Status	Units	Bio. Ref. Interval	Method
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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
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[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’smacroglobulinemia, AL Amyloidosis as well as premalignant conditions like Monoclonal gammopathy of unkown 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
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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
<b>Free Light chain( FLC)</b>					
Free Kappa(Light Chain)					
Serum					
Free Lambda (Light Chain)					
Serum					
Free Kappa / Lambda Ratio					
Serum					

Serum Protein Electrophoresis Report

Patient Name

Age/Sex

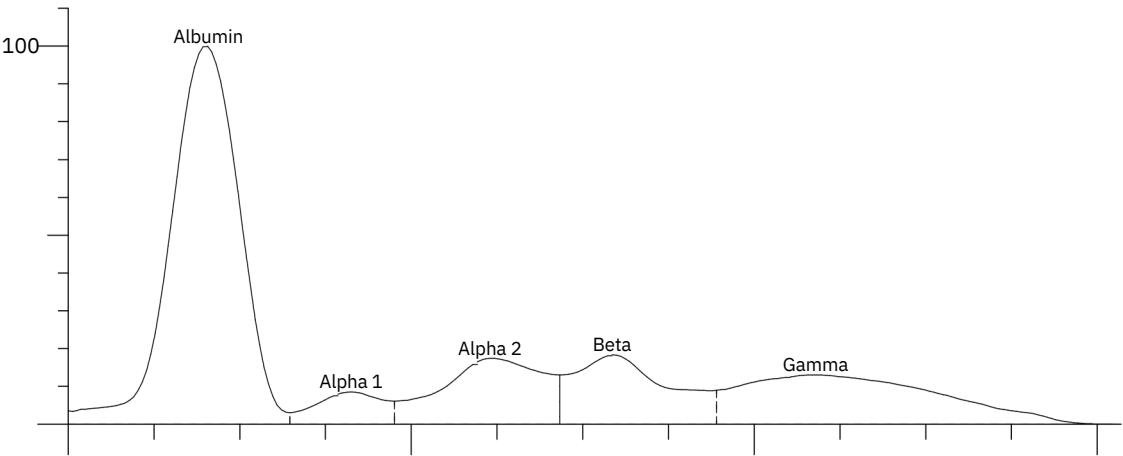
Referring Doctor

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