

**REPORT**

Name	: Mrs. V SAIDHAMMA	Sample ID	: A0093395
Age/Gender	: 43 Years/Female	Reg. No	: 0312403210030
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 21-Mar-2024 12:01 PM
Primary Sample	: Whole Blood	Received On	: 21-Mar-2024 12:44 PM
Sample Tested In	: Serum	Reported On	: 22-Mar-2024 08:54 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

**CLINICAL BIOCHEMISTRY**

Test Name	Results	Units	Ref. Range	Method
<a href="#">PDF Attached</a>				
<b>Albumin Fraction</b>	<b>3.2</b>	g/dL	3.20 - 5.00	Agarose Gel Electrophoresis
<b>Alpha 1-Globulin</b>	0.38	g/dL	0.10-0.40	Agarose gel Electrophoresis
<b>Alpha 2-globulin</b>	0.95	g/dL	0.60 - 1.00	Agarose gel Electrophoresis
<b>Beta- globulin</b>	0.73	g/dL	0.6-1.3	Agarose gel Electrophoresis
<b>Gamma-globulin</b>	1.25	g/dL	0.70 - 1.50	Agarose gel Electrophoresis
<b>Protein - Total</b>	6.5	g/dL	6.4-8.2	Biuret
<b>A/G Ratio</b>	<b>1.0</b>		1.0 - 2.1	Calculated
<b>Myeloma Band (M-Band)</b>	0.00	g/dl		
<b>Impression</b>	Suggestive of Hypoalbuminemia.			
<b>Advise</b>	Please correlate clinically.			

**Comments:**

- A homogeneous spike-like peak in a focal region of the gamma-globulin zone indicates a monoclonal gammopathy. Monoclonal gammopathies are associated with a clonal process that is malignant or potentially malignant, including multiple myeloma, Waldenström's macroglobulinemia, solitary plasmacytoma, smoldering multiple myeloma, monoclonal gammopathy of undetermined significance, plasma cell leukemia, heavy chain disease, and amyloidosis.
- M-protein (in the gamma region) level greater than 3 g/dL should be interpreted along with other radiologic and haematological findings to arrive at a diagnosis of Multiple myeloma and must not be considered in isolation. Occasionally M protein may appear as a narrow spike in the beta or alpha2 regions also. Up to one fifth of patients with Myeloma may have an M-protein spike of less than 1 g /dL.
- Hypogammaglobulinemia on serum protein electrophoresis occurs in about 10% of patients with multiple myeloma who do not have a serum M-protein spike. Most of these patients have a large amount of Bence Jones protein (monoclonal free kappa or lambda chain) in their urine, wherein urine protein electrophoresis should be performed. Monoclonal gammopathy is present in up to 8 percent of healthy geriatric patients.

Correlate Clinically.

Result rechecked and verified for abnormal cases

\*\*\* End Of Report \*\*\*



*Dr. Vaishnavi*  
**DR. VAISHNAVI**  
**MD BIOCHEMISTRY**

## SERUM PROTEIN ELECTROPHORESIS REPORT

PATIENT NAME

Mrs. V SAIDHAMMA

AGE/GENDER

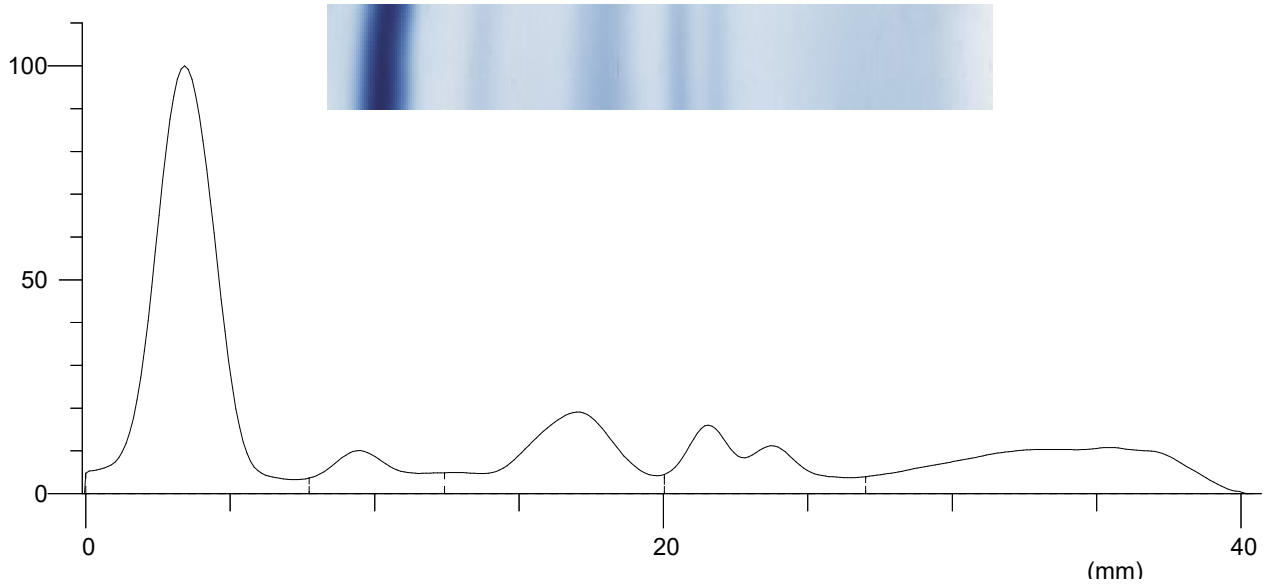
43 YRS/Female

REPORTED DATE

22/03/2024

SAMPLE ID

A0093395



Index	Band	Rel. Area	Total Protein Conc. (g/dL)	Range (g/dL)
1	Albumin	48.95%	3.18 L	3.20 ... 5.00
2	Alpha 1	5.87%	0.38	0.10 ... 0.40
3	Alpha 2	14.64%	0.95	0.60 ... 1.00
4	Beta	11.24%	0.73	0.60 ... 1.30
5	Gamma	19.30%	1.25	0.70 ... 1.50
Total			6.50	
Ratio A/G		0.96		

### COMMENTS:

Suggestive of Hypoalbuminemia.  
Please correlate clinically.