

REPORT

Name	: Mrs. V SAIDHAMMA	Sample ID	: A0286822
Age/Gender	: 43 Years/Female	Reg. No	: 0312405170043
Referred by	: Dr. R V RAO	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 17-May-2024 07:16 PM
Primary Sample	: Whole Blood	Received On	: 17-May-2024 09:56 PM
Sample Tested In	: Serum	Reported On	: 18-May-2024 08:52 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
PDF Attached				
Immunofixation Electrophoresis(IFE)				
Protein - Total	6.9	g/dL	6.4-8.2	Biuret
Albumin Fraction	3.6	g/dL	3.20 - 5.00	Agarose Gel Electrophoresis
Total Gamma globulin Fraction	3.3	g/dL	2.5-3.80	Agarose Gel Electrophoresis
Immunoglobulin A(IgA):Quantitative	2.65	g/L	0.65 - 4.21	Immunoturbidimetry
Immunoglobulin G(IgG):Quantitative	15.23	g/L	5.52 -16.31	Immunoturbidimetry
Immunoglobulin M(IgM)-Quantitative	1.52	g/L	0.33 - 2.93	Immunoturbidimetry
Free light chain,Kappa	7.96	mg/L	3.3 – 19.40	Immunoturbidimetry
Free light chain,Lambda	15.32	mg/L	5.71 – 26.30	Immunoturbidimetry
Kappa/Lambda Ratio	0.522	%	0.26 – 1.65	Calculated
Result	No monoclonal band seen in SP lane and corresponding IgG IgA and IgM lanes.			
Impression	Not suggestive of Monoclonal gammopathy. Please correlate clinically.			

Interpretation:

When an abnormal protein (band or peak) is detected, additional tests are done to identify the type of protein (immunotyping). **Immunofixation electrophoresis** or **immunofixation electrophoresis** can be used to identify abnormal bands seen on protein electrophoresis, typically in the gamma region, in order to determine whether a type of antibody (immunoglobulin) is abnormally produced (e.g., IgG, IgA, IgM).

In most cases of multiple myeloma, a single type of intact (whole) immunoglobulin is produced in excess. In a minority of cases, only one section of an immunoglobulin called a "free light chain" is produced in large amounts. These excess free light chains are released into the bloodstream and since they are relatively small molecules, they are filtered by the kidneys and released into the urine. Another term for these excess free light chains in the urine is Bence Jones proteins.

Correlate Clinically.

*** End Of Report ***



Dr. Vaishnavi
DR. VAISHNAVI
MD BIOCHEMISTRY

