

REPORT

Patient Name	: Mrs. GURDEEP KAUR	Reg. No.	: 00262009040044
Age and Sex	: 78 Yrs / Female	PCC Code	: PCL-HR-075
Referring Doctor	: KOS LAB	Sample Drawn Date	: 04-Sep-2020 10:07 AM
Referring Customer	: KOS LAB	Registration Date	: 05-Sep-2020 08:51 AM
Vial ID	: J0303499	Report Date	: 05-Sep-2020 06:57 PM
Sample Type	: Serum	Report Status	: Final Report
Client Address	: Shop: 57, Sec- 8 Main Market, Karnal, 9992020288		

CLINICAL BIOCHEMISTRY
[PDF Attached](#)
Protein Electrophoresis (Serum)

Test Name	Obtained Value	Units	Bio. Ref. Intervals (Age/Gender specific)	Method
Albumin Fraction	3.40	g/dl	3.20 - 5.00	Agarose gel Electrophoresis
Alpha 1-globulin	0.35	g/dl	0.10 - 0.40	Agarose gel Electrophoresis
Alpha 2-globulin	1.27	g/dl	0.60 - 1.00	Agarose gel Electrophoresis
Beta globulin	1.00	g/dl	0.60 - 1.30	Agarose gel Electrophoresis
Gamma-globulin	1.28	g/dl	0.70 - 1.50	Agarose gel Electrophoresis
Protein, Total	7.30	g/dl	6.0 - 8.0	Biuret
A/G Ratio	0.87		1.0 - 2.1	Calculated
Myeloma Band (M-Band)	0.00	g/dl	0.0	

No Monoclonal band observed.

Impression: Increased Alpha-2 globulin.
 Advise: Please correlate clinically.

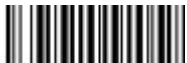
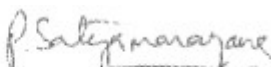
Comments:

- 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. P SATYANARYANA
 MD BIOCHEMISTRY

PATHCARE LABS

Protein Electrophoresis Report

Patient Name

Mrs. GURDEEP KAUR

Measurement Date: 05-09-2020 18:55:39

Age / Sex

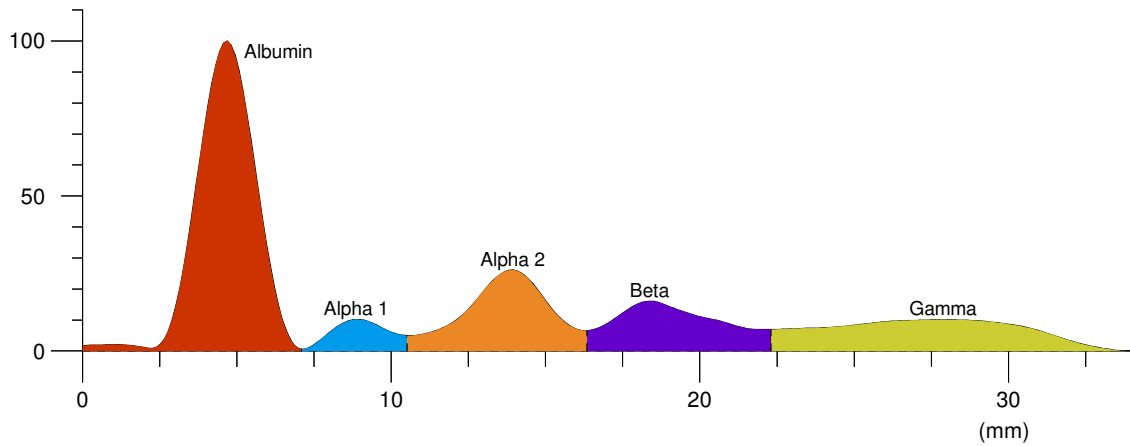
78 YRS/Female

Vail ID

J0303499

Total Protein

7.30 (g/dl)



Index	Band	Rel. Area	Conc. (g/dl)	Range (g/dl)
1	Albumin	46.53%	3.40	3.20 ... 5.00
2	Alpha 1	4.75%	0.35	0.10 ... 0.40
3	Alpha 2	17.46%	1.27 H	0.60 ... 1.00
4	Beta	13.72%	1.00	0.60 ... 1.30
5	Gamma	17.54%	1.28	0.70 ... 1.50
Total			7.30	
Ratio A/G Ratio		0.87		

Comments

Increased Alpha-2 globulin. Please correlate clinically.

Analyst Sign

Verified By