



Ms. BALWINDER KAUR

PID NO: P33724534699984

Age: 59 Year(s) Sex: Female



Reference: DR.VINAY CHOPRA

Sample Collected At:
DR VINAY KUMAR CHOPRA
DR VINAY KUMAR CHOPRA KOS
Diagnostic Lab 6349/I Nicholson Road
Ambala Cantt HRY 133001. 06-HR 13
Sample Processed At: Metropolis
Healthcare Ltd E-21, B1 Mohan Co-op Ind
Estate New Delhi-110044

VID: 24011107368487

Registered On:
28/10/2024 08:04 AM
Collected On:
27/10/2024 8:03AM
Reported On:
28/10/2024 02:08 PM

Investigation **Observed Value** **Unit** **Biological Reference Interval**

SERUM, PROTEIN ELECTROPHORESIS

(Serum)

Total Protein (Biuret)	7.29		6.4-8.3
Serum Albumin	3.63	g/dL	3.57-5.42
Alpha 1 Globulin	0.54	g/dL	0.19-0.40
Alpha 2 Globulin	1.17	g/dL	0.45-0.96
Beta 1 Globulin	0.51	g/dL	0.30-0.59
Beta 2 Globulin	0.34	g/dL	0.20-0.53
Gamma Globulin	1.11	g/dL	0.71-1.54
Albumin, Globulin Ratio	0.99		1.1-2.2
"M" Band	NO MONOCLONAL BAND SEEN		Absent

Comment Raised Alpha-1 & Alpha-2.

Interpretation :

1. Serum protein electrophoresis is commonly used to identify multiple myeloma & related disorders.
2. Electrophoresis is a method of separating proteins based on their physical properties & the pattern is dependant on the fractions of 2 types of protein: Albumin & Globulin (alpha1, alpha2, beta & gamma).

Components	Major Components	Interferences
Albumin	Albumin	Lipoproteins, Drugs, Bilirubin, Radiological contrast
Alpha1 - globulins	α-1 antitrypsin, α-1 acid glycoprotein	-
Alpha2 - globulins	α-2 macroglobulin, haptoglobin	Haptoglobin - haemoglobin complex
Beta globulins	Transferrin, β-lipoprotein, IgA, IgM & sometimes IgG with complement proteins – C3 & C4	Fibrinogen
Gamma globulins	IgG, IgA, IgM, IgD, IgE	CRP

Dr. Chakshu Bansal
M.D (Pathology)
(DMC Reg. No. - 66994)



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Observed Value

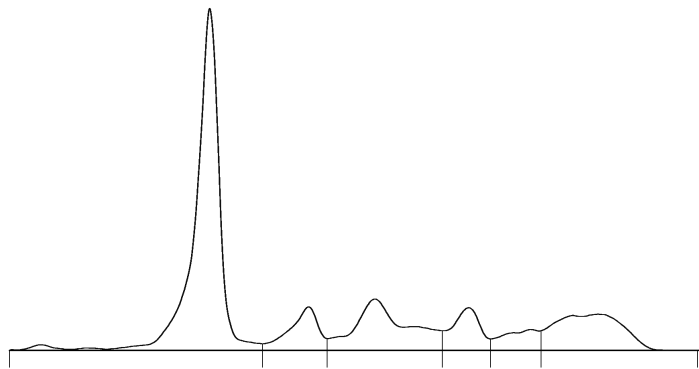
Unit

Biological Reference Interval

PROTEIN ELECTROPHORESIS

Name: **BALWINDER KAUR**
Sample : **4**
Sex : **F**

Date: **10/28/2024**
ID: **0525366904**
Age : **59**



A/G Ratio: **0.99**
T. P.: **7.29** g/dL



Fractions	%		Ref. %	Conc.	Ref. Conc.
Albumin	49.8	<	55.8 - 66.1	3.63	3.57 - 5.42
Alpha 1	7.4	>	2.9 - 4.9	0.54	0.19 - 0.40
Alpha 2	16.0	>	7.1 - 11.8	1.17	0.45 - 0.96
Beta 1	7.0		4.7 - 7.2	0.51	0.30 - 0.59
Beta 2	4.6		3.2 - 6.5	0.34	0.20 - 0.53
Gamma	15.2		11.1 - 18.8	1.11	0.71 - 1.54

Signature

-- End of Report --



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Chakshu
Dr. Chakshu Bansal
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