



Mrs. KULWANT KAUR

PID NO: P33724530800226

Age: 52 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: 240111104919600

Registered On:
22/08/2024 09:01 AM
Collected On:
21/08/2024 9:00AM
Reported On:
22/08/2024 04:32 PM

<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
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Direct detection at 200 nm in capillaries yields relative concentrations (percentages) of individual protein zones.

Remarks :

1. In following conditions serum Immunofixation is required to confirm monoclonal gammopathy or to differentiate monoclonal and polyclonal disorders.

(A) A well defined 'M' band

(B) Non-discrete bands..

(C) Chronic inflammatory pattern (decreased Albumin, increased Alpha, increased Gamma region), which may mask the monoclonal band.

(D) Isolated increase in any region, with otherwise normal pattern.

2. SPE- Distortions/ Non-Discrete bands:

Distortions in Serum Protein Electrophoresis (SPE) usually affect curves of the gamma, beta, and alpha-2 peaks. Distortions are subtle, non-discrete bands which cannot be quantified & therefore not plotted on the graphs. These could be seen in the following situations:

a) Patients on therapy for Multiple myeloma.

b) Distortions at the point of sample application can be especially problematic when one is dealing with cryoglobulins (often precipitates at the origin).

c) Monoclonal gammopathies involving any of beta-migrating immunoglobulins (produce subtle distortion of the transferrin or C3 band)

d) Subtle distortions in the beta & gamma regions may indicate towards Ig D / Ig E gammaopathies.

Method : Capillary Electrophoresis

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



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PROTEIN ELECTROPHORESIS

Name: **KULWANT KAUR**

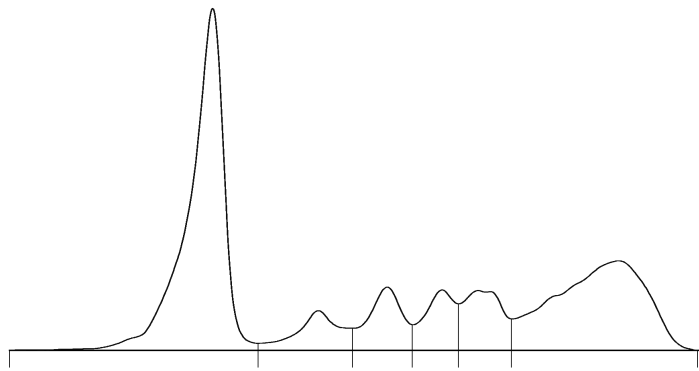
Sample : **24**

Sex : **F**

Date: **8/22/2024**

ID: **0520713815**

Age : **52**



A/G Ratio: **0.73**
T. P.: **15.19g/dL**

Fractions	%		Ref. %	Conc.	Ref. Conc.
Albumin	42.1	<	55.8 - 66.1	6.39	3.57 - 5.42
Alpha 1	6.1	>	2.9 - 4.9	0.93	0.19 - 0.40
Alpha 2	7.5		7.1 - 11.8	1.14	0.45 - 0.96
Beta 1	6.5		4.7 - 7.2	0.99	0.30 - 0.59
Beta 2	8.3	>	3.2 - 6.5	1.26	0.20 - 0.53
Gamma	29.5	>	11.1 - 18.8	4.48	0.71 - 1.54

Signature

-- End of Report --



Tests marked with NABL symbol are accredited by NABL vide Certificate no MC-2676; Validity till 04-04-2026

Chakshu
Dr. Chakshu Bansal
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