



Mr. RANDHIR

PID NO: P33724536814120
Age: 57 Year(s) Sex: Male



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: 240111108713049

Registered On:
06/12/2024 12:18 PM
Collected On:
06/12/2024 12:16PM
Reported On:
07/12/2024 03:12 PM

Investigation Observed Value Unit Biological Reference Interval

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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Investigation

Observed Value

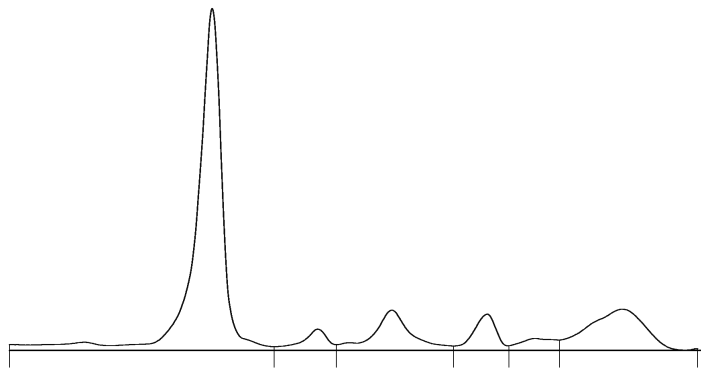
Unit

Biological Reference Interval

PROTEIN ELECTROPHORESIS

Name: **RANDHIR**
Sample : **13**
Sex : **M**

Date: **12/7/2024**
ID: **0527896948**
Age : **57**



A/G Ratio: **1.60**
T. P.: **7.83** g/dL



Fractions	%	Ref. %	Conc.	Ref. Conc.
Albumin	61.5	55.8 - 66.1	4.82	3.57 - 5.42
Alpha 1	3.7	2.9 - 4.9	0.29	0.19 - 0.40
Alpha 2	10.3	7.1 - 11.8	0.81	0.45 - 0.96
Beta 1	5.7	4.7 - 7.2	0.45	0.30 - 0.59
Beta 2	2.9	3.2 - 6.5	0.23	0.20 - 0.53
Gamma	15.9	11.1 - 18.8	1.24	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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(DMC Reg. No. - 66994)