

Client
Gurugram
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Processed By
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Name : Mr. BC365	Billing Date : 07/07/2023 12:14:09
Age : 60 Yrs	Sample Collected on : 10/07/2023 10:01:31
Sex : Male	Sample Received on : 10/07/2023 11:02:13
P. ID No. : P1000100012469	Report Released on : 18/07/2023 20:23:04
Accession No : 10002304525	Barcode No. : 10002304525-01
Referring Doctor : Self	
Referred By :	Ref no. :

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
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BIOCHEMISTRY

Protein Electrophoresis

Sample: Serum

Method: Method: Capillary Electrophoresis

Total Protein Sample: Serum Method: Spectrophotometry Biuret	8.0	6.4 - 8.3	g/dL
Albumin Fraction Sample: Serum	4.19	3.97 - 4.95	g/dL
Alfa 1 Globulin Sample: Serum	0.35	0.21 - 0.35	g/dL
Alfa 2 Globulin Sample: Serum	0.85	0.51 - 0.85	g/dL
Beta 1 Sample: Serum	0.52	0.34 - 0.52	g/dL
Beta 2 Sample: Serum	0.34	0.23 - 0.47	g/dL
Gamma Globulin Sample: Serum	1.30	0.80 - 1.35	g/dL
Myeloma Band Sample: Serum	Not Detected	Not Detected	

COMMENT:- HYPER GAMMA GLOBULINAEMIA ? POLYCLONAL GAMMOPATHY

Protein Electrophoresis

PROTEIN ELECTROPHORESIS INTERPRETATION



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SERUM PROTEIN FRACTION	INCREASED	DECREASED
ALBUMIN	Severe dehydration	Malnutrition, cachexia, liver disease, protein losing enteropathies, nephrotic syndrome, severe burns, chronic infections, pregnancy.
ALPHA 1 GLOBULIN	Inflammatory states, pregnancy.	Alpha 1 antitrypsin deficiency
ALPHA 2 GLOBULIN	Inflammatory states, nephrotic syndrome, oral contraceptive usage, steroid usage, hyperthyroidism, adrenal insufficiency, advanced diabetes mellitus.	Haemolysis and haemolytic anaemias, liver disease, malnutrition, protein losing enteropathies, Wilson's disease.
BETA (BETA 1 AND BETA 2) GLOBULINS	Hyperlipidaemia, Iron deficiency anaemia, Biliary cirrhosis, Cushing's disease, sometimes in diabetes mellitus, hypothyroidism, malignant hypertension, nephrosis, polyarteritis nodosa, obstructive jaundice, third trimester of pregnancy.	Hypo beta lipoproteinemia, malnutrition.
GAMMA GLOBULIN	Monoclonal gammopathies like multiple myeloma, Waldenstrom macroglobulinemia, MGUS, POEMS syndrome, solitary plasmacytoma, Castleman disease, amyloidosis, heavy chain deposition disease, light chain deposition disease. Polyclonal gammopathies like cirrhosis, autoimmune or viral hepatitis, rheumatoid arthritis, SLE, Sjogren syndrome, scleroderma, osteomyelitis, endocarditis, HIV infection, EB virus infection, Non Hodgkin's lymphoma, CLL, Sick cell anaemia, Thalassemia, Cancers of liver, ovaries, lungs, GIT etc.	Agammaglobulinemia, hypogammaglobulinemia.

10002304525 Mr. BC365



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** End of Report **



Dr. Aarti Khanna Nagpal
DNB (Pathology)
Senior Consultant



MRS VERNIKA MISHRA

ID: 1000234144

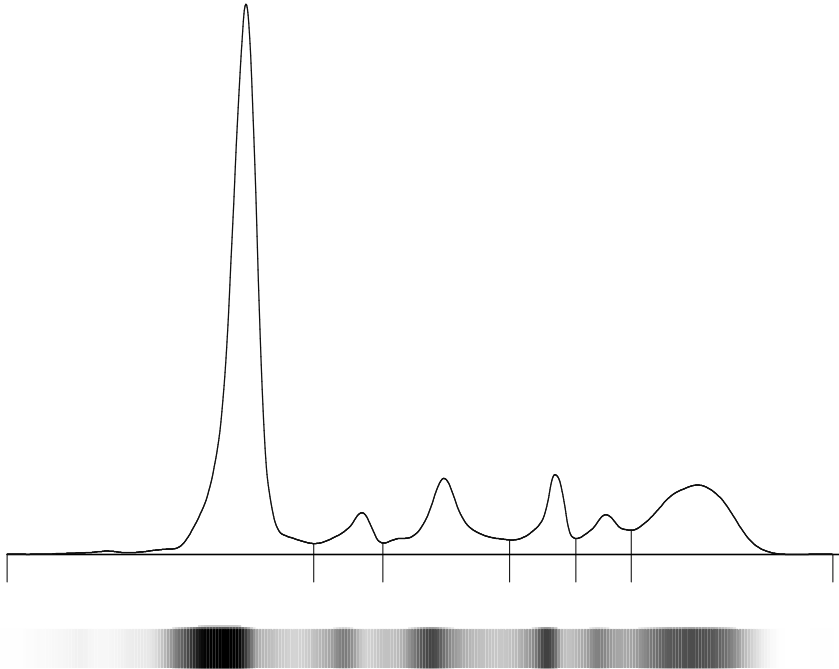
Sample #: 1

Date: 7/17/2023

Age: 28

Sex: F

Serum protein electrophoresis



A/G Ratio: 1.25

T. P.: 7.55 g/dL

Fractions	%	Ref. %	g/dl	Ref. Conc.
Albumin	55.5	55.8 - 66.1	4.19	3.97 - 4.95
Alpha 1	4.6	2.9 - 4.9	0.35	0.21 - 0.35
Alpha 2	11.3	7.1 - 11.8	0.85	0.51 - 0.85
Beta 1	6.9	4.7 - 7.2	0.52	0.34 - 0.52
Beta 2	4.5	3.2 - 6.5	0.34	0.23 - 0.47
Gamma	17.2	11.1 - 18.8	1.30	0.80 - 1.35

Signature