



Dr. Shweta Path Lab

Advanced Accurate Affordable

Dr. Shweta Saini
M.B.B.S. MD (Pathology)

Patient ID **10245927** UHID No. P10100019430 Histo/Cyto No.
Name **Mr. VED PARKASH**
Sex/Age Male 47 Yrs DOB
Ref. By
Specimen Whole Blood EDTA

Panel Name BHAGWATI LAB UMRI
Reg. Date 08/08/2024 18:28:07
Collected Date/Time 08/08/2024 18:29:36
Received Date/Time 08/08/2024 18:29:38
Report Date/Time 08/08/2024 19:29:53
Print Date/Time 08/08/2024 19:40:23

Test Name	Value	Unit	Bio. Ref. Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin <small>Tech: Cyanide-Free Colorimetry</small>	8.1	g/dL	12.5 - 16.5
Total Red Blood Count (RBC) <small>Tech: Electrical Impedance</small>	3.25	10 ⁶ /ul	3.50 - 5.50
Hematocrit (HCT) <small>Tech: Calculated</small>	25.5	%	40.0 - 54.0
MCV <small>Tech: Measured</small>	78.5	fL	80.0 - 100.0
MCH (Mean Corp Hb) <small>Tech: Calculated</small>	25.0	pg	27.0 - 31.0
MCHC (Mean Corp Hb Conc) <small>Tech: Calculated</small>	31.8	g/dL	32.0 - 36.0
RDW-CV <small>Tech: Calculated</small>	19.0	%	11.6 - 14.0
White blood cell (WBC) <small>Tech: Tri-angle Laser Flowcytometry</small>	12210	/cumm	4000 - 11000
Differential Leucocyte Count <small>Tech: Microscopy</small>			
Neutrophil <small>Tech: Tri-angle Laser Flowcytometry/Microscopic</small>	74.0	%	40.0 - 75.0
Lymphocyte <small>Tech: Tri-angle Laser Flowcytometry/Microscopic</small>	24.0	%	20.0 - 40.0
Eosinophil <small>Tech: Tri-angle Laser Flowcytometry/Microscopic</small>	01.0	%	01.0 - 06.0
Monocyte <small>Tech: Tri-angle Laser Flowcytometry/Microscopic</small>	01.0	%	02.0 - 10.0
Basophil <small>Tech: Tri-angle Laser Flowcytometry/Microscopic</small>	00.0	%	00.0 - 00.1
Platelet Count <small>Tech: Electrical Impedance/Microscopy</small>	2.91	Lakh/cmm	1.50 - 4.50



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 Specimen Serum

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Test Name	Value	Unit	Bio. Ref. Interval
KIDNEY FUNCTION TEST (RFT)			
Blood Urea <small>Tech: Urease GLDH</small>	103.20	mg/dl	19.00 - 45.00
Blood Urea Nitrogen <small>Tech: Calculated</small>	48.22	mg%	6.00 - 20.00
Creatinine <small>Tech: Enzymatic</small>	7.30 ^C	mg/dl	Adult: 0.7 - 1.3 mg/dl Newborn: 0.3 - 1.0 mg/dl Infant: 0.2 - 0.4 mg/dl Child: 0.3 - 0.7 mg/dl Adolescent: 0.5 - 1.0 mg/dl
Uric Acid <small>Tech: Uricase-POD</small>	6.20	mg/dl	3.50 - 7.20
Sodium <small>Tech: ISE</small>	131.50	mmol/L	135.00 - 150.00
Potassium <small>Tech: ISE</small>	4.25	mmol/L	3.50 - 5.00
Ionized Calcium <small>Tech: ISE</small>	1.15	mmol/L	1.10 - 1.35
Chloride <small>Tech: ISE</small>	90.70	mmol/L	94.00 - 110.00
BUN/Creatinine Ratio <small>Tech: Calculated</small>	6.61	Ratio	
Urea/Creatinine Ratio <small>Tech: Calculated</small>	14.14	Ratio	20 - 35



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Test Name	Value	Unit	Bio. Ref. Interval
LIVER FUNCTION TEST			
Bilirubin (Total) <small>Tech: Photometric test DCA</small>	0.19	mg/dl	Adults: 0 - 2.0 mg/dl Cord: < 2 mg/dl Newborns, premature: 0 - 1 Day 1.0 - 8.0 mg/dl 1 - 2 Days 6.0 - 12.0 mg/dl 3 - 5 Days 10.0 - 14.0 mg/dl Newborns, full term: 0 - 1 Day 2.0 - 6.0 mg/dl 1 - 2 Days 6.0 - 10.0 mg/dl 3 - 5 Days 4.0 - 8.0 mg/dl
Bilirubin (Direct) <small>Tech: Diazo</small>	0.15	mg/dl	0.00 - 0.40
Bilirubin (indirect) <small>Tech: Calculated</small>	0.04	mg/dl	0.00 - 0.70
AST (SGOT) <small>Tech: IFCC, Without Pyridoxal Phosphate</small>	30.40	U/L	0.00 - 35.00
ALT (SGPT) <small>Tech: IFCC, Without Pyridoxal Phosphate</small>	54.80	U/L	0.00 - 45.00
AST:ALT Ratio <small>Tech: Calculated</small>	0.55		< 1.0
Total Protein <small>Tech: Biuret</small>	6.0	g/dl	Adult : 6.4 - 8.3 g/dl Premature : 3.6 - 6.0 g/dl Newborn : 4.6 - 7.0 g/dl 1 Week : 4.4 - 7.6 g/dl 7 - 12 Months : 5.1 - 7.3 g/dl 1 - 2 years : 5.6 - 7.5 g/dl > 2 Years : 6.0 - 8.0 g/dl
Albumin <small>Tech: Bromo Cresol Green (BCG)</small>	2.6	g/dl	3.5 - 5.2
Globulin <small>Tech: Calculated</small>	3.4	gm/dl	2.3 - 3.5
A/G Ratio <small>Tech: Calculated</small>	0.8		1.3 - 2.1
Alkaline Phosphatase <small>Tech: ALP-AMP</small>	88.00	U/l	53.00 - 128.00

Note

- In an asymptomatic patient, Non alcoholic fatty liver disease (NAFLD) is the most common cause of increased AST, ALT levels. NAFLD is considered as hepatic manifestation of metabolic syndrome.
- In most type of liver disease, ALT activity is higher than that of AST; exception may be seen in Alcoholic Hepatitis, Hepatic Cirrhosis, and Liver neoplasia. In a patient with Chronic liver disease, AST:ALT ratio > 1 is highly suggestive of advanced liver fibrosis.
- In known cases of Chronic Liver disease due to Viral Hepatitis B & C, Alcoholic liver disease or NAFLD, Enhanced liver fibrosis (ELF) test



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Test Name	Value	Unit	Bio. Ref. Interval
Calcium <small>Tech: Arsenazo</small>	8.60	mg/dl	8.60 - 10.20

Interpretation:-

Calcium is found most abundantly in bones and teeth. Calcium is necessary for the transmission of nerve impulses and contraction of the myocardium & skeletal muscles. It causes blood clotting. Long-term calcium deficiency can lead to rickets and poor blood clotting and in case of a menopausal woman, it can lead to osteoporosis.

The purpose of this test is to check for serum calcium excess or deficit, to monitor calcium levels & to detect calcium imbalance. Conditions associated with increased calcium levels : Hypervitaminosis D, hyperparathyroidism, malignant neoplasm of the bone, multiple myeloma etc. Conditions associated with decreased calcium levels : Diarrhoea, malabsorption of calcium from the gastrointestinal tract, extensive infections, burns, lack of calcium and vitamin D intake, hypoparathyroidism, chronic renal failure caused by phosphorus retention, alcoholism, pancreatitis etc. People with deranged serum calcium levels are advised to undergo : ionic calcium, phosphorus and serum PTH.



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