

LABORATORY TEST REPORT

Name	: Miss. SAHASRA		
Sample ID	: A0590865		
Age/Gender	: 17 Years/Female	Reg. No	: 0312411160039
Referred by	: Dr. SAI KRISHNA KOTLA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 16-Nov-2024 02:00 PM
Primary Sample	: Whole Blood	Received On	: 16-Nov-2024 04:04 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 16-Nov-2024 04:33 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report


HAEMATOLOGY

Test Name	Results	Units	Biological Reference Interval
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Complete Blood Picture(CBP)

 Haemoglobin (Hb) (Method: Cynnmeth Method)	11.4	g/dL	12-15
 Haematocrit (HCT) (Method: Calculated)	34.4	%	40-50
 RBC Count (Method: Cell Impedance)	3.86	10 ¹² /L	3.8-4.8
 MCV (Method: Calculated)	89	fl	81-101
 MCH (Method: Calculated)	29.6	pg	27-32
 MCHC (Method: Calculated)	33.3	g/dL	32.5-34.5
 RDW-CV (Method: Calculated)	13.6	%	11.6-14.0
 Platelet Count (PLT) (Method: Cell Impedance)	319	10 ⁹ /L	150-410
 Total WBC Count (Method: Impedance)	6.8	10 ⁹ /L	4.0-10.0

Differential Leucocyte Count (DC)

 Neutrophils (Method: Cell Impedance)	70	%	40-70
 Lymphocytes (Method: Cell Impedance)	25	%	20-40
 Monocytes (Method: Microscopy)	03	%	2-10
 Eosinophils (Method: Microscopy)	02	%	1-6
 Basophils (Method: Microscopy)	00	%	1-2
 Absolute Neutrophils Count (Method: Impedance)	4.76	10 ⁹ /L	2.0-7.0
 Absolute Lymphocyte Count (Method: Impedance)	1.7	10 ⁹ /L	1.0-6.2
 Absolute Monocyte Count (Method: Calculated)	0.2	10 ⁹ /L	0.2-1.0
 Absolute Eosinophils Count (Method: Calculated)	0.14	10 ⁹ /L	0.02-0.5
 Absolute Basophil ICount (Method: Calculated)	0.00	10 ⁹ /L	0.0-0.3

Morphology
(Method: PAPS Staining)

Normocytic normochromic

*** End Of Report ***



LABORATORY TEST REPORT

Name	: Miss. SAHASRA		
Sample ID	: A0590863		
Age/Gender	: 17 Years/Female	Reg. No	: 0312411160039
Referred by	: Dr. SAI KRISHNA KOTLA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 16-Nov-2024 02:00 PM
Primary Sample	: Whole Blood	Received On	: 16-Nov-2024 04:04 PM
Sample Tested In	: Serum	Reported On	: 16-Nov-2024 05:29 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report


CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Biological Reference Interval
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Lipid Profile

 Cholesterol Total (Method: CHOD-POD)	178	mg/dL	< 170
 Triglycerides-TGL (Method: GPO-POD)	88	mg/dL	< 150
 Cholesterol-HDL (Method: Direct)	42	mg/dL	40-60
 Cholesterol-LDL (Method: Calculated)	118.4	mg/dL	< 110
 Cholesterol- VLDL (Method: Calculated)	17.6	mg/dL	7-35
 Non HDL Cholesterol (Method: Calculated)	136	mg/dL	< 130
 Cholesterol Total /HDL Ratio (Method: Calculated)	4.24	%	0-4.0
 HDL / LDL Ratio	0.35		
 LDL/HDL Ratio (Method: Calculated)	2.82	%	0-3.5

The National Cholesterol Education program's third Adult Treatment Panel (ATPIII) has issued its recommendations on evaluating and treating lipid disorders for primary and secondary.

NCEP Recommendations	Cholesterol Total in (mg/dL)	Triglycerides in (mg/dL)	HDL Cholesterol (mg/dL)	LDL Cholesterol in (mg/dL)	Non HDL Cholesterol in (mg/dL)
Optimal	Adult: < 200 Children: < 170	< 150	40-59	Adult:<100 Children: <110	<130
Above Optimal	-----	-----		100-129	130 - 159
Borderline High	Adult: 200-239 Children:171-199	150-199		Adult: 130-159 Children: 111-129	160 - 189
High	Adult:>or=240 Children:>or=200	200-499	≥ 60	Adult:160-189 Children:>or=130	190 - 219
Very High	-----	>or=500		Adult: >or=190 -----	>=220

Note: LDL cholesterol cannot be calculated if triglyceride is >400 mg/dL (Friedewald's formula). Calculated values not provided for LDL and VLDL

*** End Of Report ***



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 MD BIOCHEMISTRY

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CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Biological Reference Interval
Liver Function Test (LFT)			
 Bilirubin(Total) (Method: Diazo)	0.3	mg/dL	0.3-1.2
 Bilirubin (Direct) (Method: Diazo)	0.1	mg/dL	0.0 - 0.3
 Bilirubin (Indirect) (Method: Calculated)	0.2	mg/dL	0.2-1.0
 Aspartate Aminotransferase (AST/SGOT) (Method: IFCC UV Assay)	20	U/L	15-37
 Alanine Aminotransferase (ALT/SGPT) (Method: IFCC with out (P-S-P))	11	U/L	0-55
 Alkaline Phosphatase(ALP) (Method: Kinetic PNPP-AMP)	71	U/L	30-120
 Gamma Glutamyl Transpeptidase (GGTP) (Method: IFCC)	12	U/L	5-55
 Protein - Total (Method: Biuret)	6.9	g/dL	6.4-8.2
 Albumin (Method: Bromocresol Green (BCG))	3.8	g/dL	3.4-5.0
 Globulin (Method: Calculated)	3.1	g/dL	2.0-4.2
 A:G Ratio (Method: Calculated)	1.23	%	0.8-2.0
 SGOT/SGPT Ratio	1.82		

Alanine Aminotransferase(ALT) is an enzyme found in liver and kidneys cells. ALT helps create energy for liver cells. Damaged liver cells release ALT into the bloodstream, which can elevate ALT levels in the blood.

Aspartate Aminotransferase (AST) is an enzyme in the liver and muscles that helps metabolizes amino acids. Similarly to ALT, elevated AST levels may be a sign of liver damage or liver disease.

Alkaline phosphate (ALP) is an enzyme present in the blood. ALP contributes to numerous vital bodily functions, such as supplying nutrients to the liver, promoting bone growth, and metabolizing fat in the intestines.

Gamma-glutamyl Transpeptidase (GGTP) is an enzyme that occurs primarily in the liver, but it is also present in the kidneys, pancreas, gallbladder, and spleen. Higher than normal concentrations of GGTP in the blood may indicate alcohol-related liver damage. Elevated GGTP levels can also increase the risk of developing certain types of cancer.

Bilirubin is a waste product that forms when the liver breaks down red blood cells. Bilirubin exits the body as bile in stool. High levels of bilirubin can cause jaundice - a condition in which the skin and whites of the eyes turn yellow- and may indicate liver damage.

Albumin is a protein that the liver produces. The liver releases albumin into the bloodstream, where it helps fight infections and transport vitamins, hormones, and enzymes throughout the body. Liver damage can cause abnormally low albumin levels.

*** End Of Report ***



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