

**DEPARTMENT OF LABORATORY MEDICINE**

Patient Name : Mr. JITENDER KUMAR	Order No : 1000093084
UHID : UHJA24004438	Registered On : 10/08/2024 11:14:05 AM
Age/Sex : 38/Years Male	Collected On : 10/08/2024 11:42:00 AM
Ward / Bed No :	Reported On : 10/08/2024 02:44:16 PM
Reference : Dr. Preventive Health Check Up	Bill No : OPBJA240006187
Station : At Hospital	Mobile No : 7982083664
Payer Name : Mediwheel	Report Status : Final Report

Test Name	Result	Unit	Bio. Ref. Interval
<b><u>BIOCHEMISTRY</u></b>			
<b>FASTING GLUCOSE</b> (Method: Hexokinase)	87	mg/dL	ADA Guidelines < 100 mg/dl - Normal 100 to 125 mg/dl - Prediabetes ≥ 126 mg/dl - Diabetes
<b>POST PRANDIAL GLUCOSE</b> (Method: Hexokinase)	127	mg/dL	70-140
<b>GLYCOSYLATED HAEMOGLOBIN (HBA1C)</b>			Sample: Whole blood (EDTA)
<b>HBA1C</b> (Method: HPLC)	<b>5.9</b>	%	ADA Guidelines < 5.7% - Normal 5.7 to 6.4% - Prediabetes ≥ 6.5% - Diabetes
Estimated Average Glucose (eAG) (Method: Calculated)	123	mg/dL	
<b>THYROID PROFILE (TOTAL T3, TOTAL T4 &amp; TSH)</b>			Sample: Serum
<b>TOTAL T3</b> (Method:CLIA)	1.06	ng/mL	0.87-1.78
<b>TOTAL T4</b> (Method:CLIA)	7.76	µg/dL	5.1-14.1
<b>THYROID STIMULATING HORMONE (TSH)</b> (Method:CLIA: Ultra-sensitive)	2.39	µIU/mL	0.34-5.60
<b>LIPID PROFILE</b>			Sample: Serum
<b>TOTAL CHOLESTEROL</b> (Method:CHOD-POD)	188	mg/dL	ATP III Guidelines < 200 - Desirable 200-239 - Borderline high ≥ 240 - High
<b>TRIGLYCERIDES</b> (Method:Enzymatic GPO-POD)	90	mg/dL	< 150 - Normal 150-199 - Borderline High 200-499 - High ≥ 500 - Very High
<b>HDL CHOLESTEROL</b> (Method:ENZYMATIC METHOD)	<b>36.8</b>	mg/dL	< 40 - Low ≥ 60 - High

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LDL CHOLESTEROL	<b>133.2</b>	mg/dL	<100 - Optimal 100-129 - Near or above optimal 130-159 - Borderline high 160-189 - High ≥190 - Very high
(Method: Calculated)			
VLDL CHOLESTEROL	18.00	mg/dL	< 30
(Method: Calculated)			
TOTAL CHOLESTEROL : HDL RATIO	<b>5.10</b>		Low Risk: 3.3 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0
(Method: Calculated)			
LDL/HDL CHOLESTEROL RATIO	<b>3.61</b>		< 2.5 Optimal
(Method: Calculated)			
NON HDL CHOLESTEROL	<b>151.19</b>	mg/dL	< 130
(Method: Calculated)			
<b>URIC ACID</b>	4.9	mg/dL	3.5-7.2
(Method:Uricase - POD(Enzymatic))			
<b>CREATININE</b>	<b>0.74</b>	mg/dL	0.9-1.3
(Method:Modified Jaffe, Kinetic)			
<b>LIVER FUNCTION TEST</b>			
			Sample: Serum
TOTAL BILIRUBIN	0.43	mg/dL	0.3-1.2
(Method:Dichlorophenyl Diazotization)			
DIRECT BILIRUBIN	0.08	mg/dL	0.0-0.2
(Method:Dichlorophenyl Diazotization)			
INDIRECT BILIRUBIN	0.35	mg/dL	0.2-1.0
(Method: Calculated)			
TOTAL PROTEIN	6.7	g/dL	6.6-8.3
(Method:BIURET)			

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ALBUMIN (Method:BCG)	4.00	g/dL	3.5-5.2
GLOBULIN (Method: Calculated)	2.70	g/dL	2.3-3.5
AG RATIO (Method: Calculated)	1.48		2:1
SERUM SGOT (Method:IFCC without P5P)	31	U/L	< 50
SERUM SGPT (Method:IFCC without P5P)	46	U/L	< 50
ALKALINE PHOSPHATASE, SERUM (Method:PNPP AMP Buffer)	101	U/L	50-116
GGT (Method:IFCC)	25	U/L	< 55



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**HAEMATOLOGY**
**COMPLETE BLOOD COUNT(CBC)**

Sample: Whole blood (EDTA)

<b>HAEMOGLOBIN</b> (Method:Photometric Measurement: Oxyhemoglobin method)	<b>13.86</b>	<b>g/dL</b>	<b>13.5-17.5</b>
<b>PACKED CELL VOLUME/HEMATOCRIT (PCV/HCT)</b> (Method: Calculated)	<b>45.1</b>	<b>%</b>	<b>42-52</b>
<b>TOTAL WBC COUNT (TLC)</b> (Method:Coulter Principle)	<b>6450</b>	<b>Cells/Cum</b>	<b>4000-11000</b>
<b>DIFFERENTIAL COUNT</b>			
<b>NEUTROPHILS</b> (Method:Optical/Impedance)	<b>66.21</b>	<b>%</b>	<b>40-75</b>
<b>LYMPHOCYTES</b> (Method:Optical/Impedance)	<b>24.53</b>	<b>%</b>	<b>20-45</b>
<b>EOSINOPHILS</b> (Method:Optical/Impedance)	<b>3.89</b>	<b>%</b>	<b>0-6</b>
<b>MONOCYTES</b> (Method:Optical/Impedance)	<b>5.09</b>	<b>%</b>	<b>2-10</b>
<b>BASOPHILS</b> (Method:Optical/Impedance)	<b>0.28</b>	<b>%</b>	<b>0-2</b>
<b>RED BLOOD CORPUSCLES(RBC)</b> (Method:Coulter Principle) Remarks: In view of increased RBC count and reduced RBC indices suggest Iron profile and HPLC/HB electrophoresis to rule out hemoglobinopathy. Kindly correlate clinically	<b>6.08</b>	<b>million/cum</b>	<b>4.5-5.9</b>
<b>MCV</b> (Method:Derived from RBC Histogram)	<b>74.2</b>	<b>fL</b>	<b>78-100</b>
<b>MCH</b> (Method: Calculated)	<b>22.8</b>	<b>pg</b>	<b>27-31</b>
<b>MCHC</b> (Method: Calculated)	<b>30.7</b>	<b>g/dL</b>	<b>31-37</b>
<b>RDW - CV</b> (Method: Calculated)	<b>18.2</b>	<b>%</b>	<b>11.5-14.5</b>

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<b>PLATELET COUNT</b> (Method:Electrical Impedance)	2.51	Lakhs/Cum	1.5-4.5
<b>MEAN PLATELET VOLUME(MPV)</b> (Method:Derived from PLT Histogram)	<b>8.64</b>	fl	9-13
<b>PLATELET DISTRIBUTION WIDTH (PDW)</b> (Method: Calculated)	<b>29.6</b>	fl	9-19
<b>ERYTHROCYTE SEDIMENTATION RATE(ESR)</b> (Method:Modified Westergren Method)	11	mm/hour	1-15

**BLOOD GROUPING & RH TYPING**

Sample: Whole blood (EDTA)

ABO Group (Method:Agglutination Method)	O
Rh Factor (Method:Agglutination Method)	Positive

Interpretation Notes

Note: Both forward and reverse grouping performed



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**CLINICAL PATHOLOGY**

**URINE EXAMINATION, ROUTINE**

Sample: Urine

**PHYSICAL EXAMINATION**

VOLUME	15	mL	
COLOUR	Pale Yellow		
APPEARANCE	Clear		
PH	5.0		5.0-8.0
SPECIFIC GRAVITY	1.005		1.005-1.030

**CHEMICAL EXAMINATION**

PROTEIN (Method:Protein Error of pH Indicator)	Absent		Absent
GLUCOSE (Method:GOD-POD)	Absent		Absent
KETONE BODIES (Method:Nitroprusside method/ Rothera's test)	Absent		Absent
BILIRUBIN (Method:DIAZO/FOUCHET'S TEST )	Negative		Negative
BILE SALT (Method:Hay's sulfur test)	Absent		Absent
NITRITE (Method:Griess method)	Negative		Negative
UROBILINOGEN (Method:Azo coupling method)	Normal		
LEUKOCYTE ESTERASE (Method:Leukocyte Esterase activity)	Negative		Negative
BLOOD (Method:Peroxidase Reaction)	Negative		Negative

**MICROSCOPIC EXAMINATION**


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EPITHELIAL CELLS	0-2	/HPF	0-5
PUS CELLS	2-4	/HPF	0-5
RBCs	Nil	/HPF	0-2
CASTS	Nil	/LPF	
CRYSTALS	Nil		
OTHERS	NIL		
<b>URINE SUGAR, FASTING</b> (Method:GOD-POD)	Absent		
<b>URINE SUGAR (POST PRANDIAL)</b>	Absent		

Verified By  
RAJESHWARI

---End of Report---



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