

**DEPARTMENT OF LABORATORY MEDICINE**

Patient Name : Mrs. BASANTI BISWAL	Order No : 1000096833
UHID : UHJA24005798	Registered On : 21/09/2024 09:25:44 AM
Age/Sex : 66/Years Female	Collected On : 21/09/2024 09:34:58 AM
Ward / Bed No :	Reported On : 21/09/2024 01:02:57 PM
Reference : Dr. Preventive Health Check Up	Bill No : OPBJA240007980
Station : At Hospital	Mobile No : 8398000980
Payer Name : Mediwheel	Report Status : Final Report

Test Name	Result	Unit	Bio. Ref. Interval
<b>BIOCHEMISTRY</b>			
<b>FASTING GLUCOSE</b> (Method: Hexokinase)	<b>100</b>	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)	89	mg/dL	70-140
<b>GLYCOSYLATED HAEMOGLOBIN (HBA1C)</b>			Sample: Whole blood (EDTA)
<b>HBA1C</b> (Method: HPLC)	<b>6.6</b>	%	ADA Guidelines < 5.7% - Normal 5.7 to 6.4% - Prediabetes ≥ 6.5% - Diabetes
Estimated Average Glucose (eAG) (Method: Calculated)	<b>143</b>	mg/dL	
<b>THYROID PROFILE (TOTAL T3, TOTAL T4 &amp; TSH)</b>			Sample: Serum
<b>TOTAL T3</b> (Method:CLIA)	1.13	ng/mL	0.87-1.78
<b>TOTAL T4</b> (Method:CLIA)	8.76	µg/dL	5.1-14.1
<b>THYROID STIMULATING HORMONE (TSH)</b> (Method:CLIA: Ultra-sensitive)	3.25	µIU/mL	0.38-5.33
<b>LIPID PROFILE</b>			Sample: Serum
<b>TOTAL CHOLESTEROL</b> (Method:CHOD-POD)	180	mg/dL	ATP III Guidelines < 200 - Desirable 200-239 - Borderline high ≥ 240 - High
<b>TRIGLYCERIDES</b> (Method:Enzymatic GPO-POD)	109	mg/dL	< 150 - Normal 150-199 - Borderline High 200-499 - High ≥ 500 - Very High
<b>HDL CHOLESTEROL</b> (Method:ENZYMATIC METHOD)	41.2	mg/dL	< 40 - Low ≥ 60 - High

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LDL CHOLESTEROL (Method: Calculated)	<b>117.00</b>	mg/dL	<100 - Optimal 100-129 - Near or above optimal 130-159 - Borderline high 160-189 - High ≥190 - Very high
VLDL CHOLESTEROL (Method: Calculated)	21.80	mg/dL	< 30
TOTAL CHOLESTEROL : HDL RATIO (Method: Calculated)	4.37		Low Risk: 3.3 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0
LDL/HDL CHOLESTEROL RATIO (Method: Calculated)	<b>2.84</b>		< 2.5 Optimal
NON HDL CHOLESTEROL (Method: Calculated)	<b>138.80</b>	mg/dL	< 130
<b>URIC ACID</b> (Method:Uricase - POD(Enzymatic))	5.8	mg/dL	2.6-6.0
<b>LIVER FUNCTION TEST</b>			
Sample: Serum			
TOTAL BILIRUBIN (Method:Dichlorophenyl Diazotization)	0.35	mg/dL	0.3-1.2
DIRECT BILIRUBIN (Method:Dichlorophenyl Diazotization)	0.07	mg/dL	0.0-0.2
INDIRECT BILIRUBIN (Method: Calculated)	0.28	mg/dL	0.2-1.0
TOTAL PROTEIN (Method:BIURET)	7.2	g/dL	6.6-8.3
ALBUMIN (Method:BCG)	3.89	g/dL	3.5-5.2
GLOBULIN (Method: Calculated)	3.31	g/dL	2.3-3.5
AG RATIO (Method: Calculated)	1.18		2:1
SERUM SGOT (Method:IFCC without P5P)	20	U/L	< 35

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<b>SERUM SGPT</b> (Method:IFCC without P5P)	18	U/L	< 35
<b>ALKALINE PHOSPHATASE, SERUM</b> (Method:PNPP AMP Buffer)	81	U/L	46-122
<b>GGT</b> (Method:IFCC)	14	U/L	< 38
<b>UREA</b> (Method:Urease GLDH - Kinetic)	21.6	mg/dL	17-43
<b>BUN/CREATININE RATIO</b>			
<b>BLOOD UREA NITROGEN(BUN)</b> (Method:Urease GLDH - Kinetic)	10	mg/dL	7.93-20.07
<b>CREATININE</b> (Method:Modified Jaffe, Kinetic)	0.62	mg/dL	0.6-1.2
<b>BUN/CRE-RATIO</b> (Method: Calculated)	16.12		12-20 : 1

Sample: Serum



**Dr. Shobha Emmanuel**  
MBBS, M.D(Pathology)  
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**HAEMATOLOGY**
**COMPLETE BLOOD COUNT(CBC)**

Sample: Whole blood (EDTA)

<b>HAEMOGLOBIN</b> (Method:Photometric Measurement: Oxyhemoglobin method)	<b>10.55</b>	g/dL	12-16
<b>PACKED CELL VOLUME/HEMATOCRIT (PCV/HCT)</b> (Method: Calculated)	<b>34.9</b>	%	37-47
<b>TOTAL WBC COUNT (TLC)</b> (Method:Coulter Principle)	<b>5850</b>	Cells/Cum	4000-11000
<b>DIFFERENTIAL COUNT</b>			
<b>NEUTROPHILS</b> (Method:Optical/Impedance)	<b>49.93</b>	%	40-75
<b>LYMPHOCYTES</b> (Method:Optical/Impedance)	<b>37.78</b>	%	20-45
<b>EOSINOPHILS</b> (Method:Optical/Impedance)	<b>4.08</b>	%	0-6
<b>MONOCYTES</b> (Method:Optical/Impedance)	<b>7.95</b>	%	2-10
<b>BASOPHILS</b> (Method:Optical/Impedance)	<b>0.26</b>	%	0-2
<b>RED BLOOD CORPUSCLES(RBC)</b> (Method:Coulter Principle)	<b>4.67</b>	million/cum	4.0-5.2
<b>MCV</b> (Method:Derived from RBC Histogram)	<b>74.8</b>	fL	78-100
<b>MCH</b> (Method: Calculated)	<b>22.6</b>	pg	27-31
<b>MCHC</b> (Method: Calculated)	<b>30.2</b>	g/dL	31-37
<b>RDW - CV</b> (Method: Calculated)	<b>16.1</b>	%	11.5-14.5
<b>PLATELET COUNT</b> (Method:Electrical Impedance)	<b>2.60</b>	Lakhs/Cum	1.5-4.5

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MEAN PLATELET VOLUME(MPV) <small>(Method:Derived from PLT Histogram)</small>	<b>8.60</b>	fl	9-13
PLATELET DISTRIBUTION WIDTH (PDW) <small>(Method: Calculated)</small>	<b>21.8</b>	fl	9-19
<b>ERYTHROCYTE SEDIMENTATION RATE(ESR)</b> <small>(Method:Modified Westergren Method)</small>	25	mm/hour	1-30

**BLOOD GROUPING & RH TYPING**

Sample: Whole blood (EDTA)

ABO Group <small>(Method:Agglutination Method)</small>	B
Rh Factor <small>(Method:Agglutination Method)</small>	Positive

Interpretation Notes

Note: Both forward and reverse grouping performed



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**CLINICAL PATHOLOGY**
**URINE EXAMINATION, ROUTINE**

Sample: Urine

**PHYSICAL EXAMINATION**

VOLUME	25	mL	
COLOUR	Colorless		
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	2-4	/HPF	0-5
PUS CELLS	0-2	/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  
Arpitha S R

---End of Report---



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