

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Rupali Thakur Shaw MRN : 17600000234237 Gender/Age : FEMALE , 32y (07/10/1990)

Collected On : 25/02/2023 11:26 AM Received On : 25/02/2023 11:31 AM Reported On : 25/02/2023 12:45 PM

Barcode : F12302250116 Specimen : Plasma Consultant : Dr. Sanjib Chowdhury(DENTAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9903656781

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>Fasting Blood Sugar (FBS)</b> (Glucose Oxidase, Hydrogen Peroxidase)	93	mg/dL	Normal: 70-109 Pre-diabetes: 110-125 Diabetes: => 126

--End of Report--

Dr. Samarпита Mukherjee  
MBBS, MD Biochemistry  
CONSULTANT

**Note**

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.



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Collected On : 25/02/2023 11:26 AM Received On : 25/02/2023 11:31 AM Reported On : 25/02/2023 12:18 PM

Barcode : F22302250085 Specimen : Whole Blood - ESR Consultant : Dr. Sanjib Chowdhury(DENTAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9903656781

**HAEMATOLOGY LAB**

Test	Result	Unit	Biological Reference Interval
<b>Erythrocyte Sedimentation Rate (ESR)</b> (Westergren Method)	17	mm/1hr	0.0-20.0

--End of Report--



Dr. Prithwijit Ghosh  
MBBS, MD, Pathology  
Consultant Pathologist

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Collected On : 25/02/2023 11:26 AM Received On : 25/02/2023 04:47 PM Reported On : 25/02/2023 05:50 PM

Barcode : F32302250016 Specimen : Urine Consultant : Dr. Sanjib Chowdhury(DENTAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9903656781

**CLINICAL PATHOLOGY**

Test	Result	Unit	Biological Reference Interval
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**URINE ROUTINE & MICROSCOPY**

**PHYSICAL EXAMINATION**

Volume (Visible)	40	ml	-
Colour (Visible)	Pale Yellow	-	-
Appearance (Visible)	Clear	-	-

**CHEMICAL EXAMINATION**

pH(Reaction) (Dual Wavelength Reflectance )	6.0	-	5.0-8.0
Sp. Gravity (Dual Wavelength Reflectance)	1.010	-	1.002-1.030
Protein (Dual Wavelength Reflectance/Acetic Acid Tes (Heat Test))	Absent	-	-
Urobilinogen (Dual Wavelength Reflectance /Ehrlich's Method)	Normal	-	-

**MICROSCOPIC EXAMINATION**

Pus Cells (Microscopy)	1-2/hpf	-	1 - 2
RBC (Microscopy)	Not Seen	-	1-2/hpf
Epithelial Cells (Microscopy)	Occasional	-	2-3
Crystals (Microscopy)	Not Seen	-	-
Casts (Microscopy)	<b>Absent</b>	-	-
Bacteria	Not Found	-	-

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Appointments

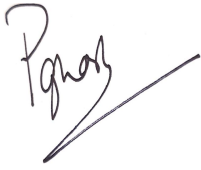
**1800-309-0309 (Toll Free)**

Emergencies

**9836-75-0808**

Patient Name : Ms Rupali Thakur Shaw MRN : 17600000234237 Gender/Age : FEMALE , 32y (07/10/1990)			
Yeast Cells	Not Found	-	-
Mucus	Not Found	-	-
Others (Microscopy)	Nil	-	-

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Collected On : 25/02/2023 11:26 AM Received On : 25/02/2023 11:31 AM Reported On : 25/02/2023 12:48 PM

Barcode : F22302250084 Specimen : Whole Blood Consultant : Dr. Sanjib Chowdhury(DENTAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9903656781

**HAEMATOLOGY LAB**

Test	Result	Unit	Biological Reference Interval
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**BLOOD GROUP & RH TYPING**

Blood Group (Slide Technique And Tube Technique)	A	-	-
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RH Typing (Slide Technique And Tube Technique)	Positive	-	-
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**COMPLETE BLOOD COUNT (CBC)**

Haemoglobin (Hb%) (Cyanide-free Hemoglobin Method)	12.1	g/dL	12.0-15.0
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Red Blood Cell Count (Impedance Variation)	4.09	millions/ $\mu$ L	3.8-4.8
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PCV (Packed Cell Volume) / Hematocrit (Impedance)	37.5	%	36.0-46.0
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MCV (Mean Corpuscular Volume) (Calculated)	92	fL	83.0-101.0
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MCH (Mean Corpuscular Haemoglobin) (Calculated)	29.5	pg	27.0-32.0
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MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.2	g/dL	31.5-34.5
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Red Cell Distribution Width (RDW) (Impedance)	<b>15.1 H</b>	%	11.6-14.0
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Platelet Count (Impedance Variation/Microscopy)	150	Thousand / $\mu$ L	150.0-410.0
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Total Leucocyte Count(WBC) (Impedance Variation)	5.8	$\times 10^3$ cells/ $\mu$ l	4.0-10.0
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**DIFFERENTIAL COUNT (DC)**

Neutrophils (Impedance Variation And Absorbency /Microscopy)	59.8	%	40.0-80.0
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Lymphocytes (Impedance Variation And Absorbency /Microscopy)	30.3	%	20.0-40.0
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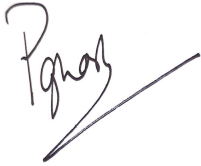
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Monocytes (Impedance Variation And Absorbency /Microscopy)	4.9	%	2.0-10.0
Eosinophils (Impedance Variation And Absorbency /Microscopy)	5.0	%	1.0-6.0
Basophils (Impedance Variation And Absorbency /Microscopy)	<b>0.0 L</b>	%	1.0-2.0
Absolute Neutrophil Count	3.47	-	-
Absolute Lymphocyte Count	1.76	-	-
Absolute Monocyte Count	0.28	-	-
Absolute Eosinophil Count	0.29	-	-

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Barcode : F12302250115 Specimen : Serum Consultant : Dr. Sanjib Chowdhury(DENTAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9903656781

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
<b>SERUM CREATININE</b>			
Serum Creatinine (Enzymatic Method)	0.6	mg/dL	0.52-1.04
eGFR (Calculated By MDRD Formula)	115.9	mL/min/1.73m <sup>2</sup>	-
<b>Blood Urea Nitrogen (BUN)</b> (Urease, UV)	<b>6.48 L</b>	mg/dL	7.0-17.0
<b>Serum Sodium</b> (ISE Direct )	144	mmol/L	137.0-145.0
<b>Serum Potassium</b> (ISE Direct )	4.2	mmol/L	3.5-5.1
<b>LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)</b>			
Cholesterol Total (Cholesterol Oxidase Esterase Peroxidase)	174	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic End Point)	61	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Direct Measure, PTA /MgCl <sub>2</sub> )	<b>72 H</b>	mg/dL	Low: <40.0 mg/dL High: >60.0 mg/dL
Non-HDL Cholesterol	102	-	-
LDL Cholesterol (End Point)	74.62	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	12.2	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	2.4	-	-
<b>LIVER FUNCTION TEST(LFT)</b>			
Bilirubin Total (Dyphylline, Diazonium Salt)	0.5	mg/dL	0.2-1.3

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Conjugated Bilirubin (Direct) (Direct Measure)	0.1	mg/dL	0.0-0.3
Unconjugated Bilirubin (Indirect) (Direct Measure)	0.4	mg/dL	0.3-1.3
Total Protein (Biuret, No Serum Blank, End Point)	7.7	g/dL	6.3-8.2
Serum Albumin (Bromocresol Green (BCG))	4.5	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.2	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.41	-	1.0-2.1
SGOT (AST) (Multiple-point Rate)	24	U/L	14.0-36.0
SGPT (ALT) (Uv With P5p)	18	U/L	<35.0
Alkaline Phosphatase (ALP) (PMPP, AMP Buffer)	70	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (G-glutamyl-p-nitroanilide)	13	U/L	12.0-43.0

**THYROID PROFILE (T3, T4, TSH)**

Tri Iodo Thyronine (T3) (CLIA)	<b>0.917 L</b>	ng/mL	0.97-1.69
Thyroxine (T4) (CLIA)	9.61	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (CLIA)	0.7770	µIU/mL	0.4-4.049

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Barcode : F12302250117 Specimen : Whole Blood Consultant : Dr. Sanjib Chowdhury(DENTAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9903656781

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>HBA1C</b>			
HbA1c (HPLC)	5.1	%	Both: Normal: 4.0-5.6 Both: Prediabetes: 5.7-6.4 Both: Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	99.67	-	-

**Interpretation:**  
1. HbA1C above 6.5% can be used to diagnose diabetes provided the patient has symptoms. If the patient does not have symptoms with HbA1C>6.5%, repeat measurement on further sample. If the repeat test result is <6.5%, consider as diabetes high risk and repeat measurement after 6 months.  
2. HbA1C measurement is not appropriate in diagnosing diabetes in children, suspicion of type 1 diabetes, symptoms of diabetes for less than 2 months, pregnancy, hemoglobinopathies, medications that may result sudden increase in glucose, anemia, renal failure, HIV infection, malignancies, severe chronic hepatic, and renal disease.  
3. Any sample with >15% should be suspected of having a haemoglobin variant.

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