

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Dr. Srijeeta Banerjee MRN : 17510001172735 Gender/Age : FEMALE , 29y (08/11/1993)

Collected On : 25/03/2023 09:00 AM Received On : 25/03/2023 09:40 AM Reported On : 25/03/2023 10:08 AM

Barcode : 812303250213 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9679817749

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	12.6	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	4.28	millions/ μ L	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	38.4	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived From RBC Histogram)	89.7	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	29.4	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.8	%	31.5-34.5
Red Cell Distribution Width (RDW) (Calculated)	14.8 H	%	11.6-14.0
Platelet Count (Electrical Impedance)	160	$10^3/\mu$ L	150.0-400.0
Mean Platelet Volume (MPV) (Derived)	13.8 H	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	10.0	$10^3/\mu$ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCSn Technology)	63.2	%	40.0-75.0
Lymphocytes (VCSn Technology)	27.9	%	20.0-40.0
Monocytes (VCSn Technology)	4.8	%	2.0-10.0
Eosinophils (VCSn Technology)	3.9	%	1.0-6.0

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Basophils (VCSn Technology)	0.2	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	6.32	$10^3/\mu\text{L}$	1.8-7.8
Absolute Lymphocyte Count (Calculated)	2.79	$10^3/\mu\text{L}$	1.0-4.8
Absolute Monocyte Count (Calculated)	0.48	$10^3/\mu\text{L}$	0.0-0.8
Absolute Eosinophil Count (Calculated)	0.39	$10^3/\mu\text{L}$	0.0-0.45
Absolute Basophil Count (Calculated)	0.02	$10^3/\mu\text{L}$	0.0-0.2

As per the recommendation of International Council for Standardization in Hematology, the differential counts are additionally being reported as absolute numbers.

--End of Report--

Dr. Sanjib Kumar Pattari
MD, Pathology
Consultant Pathology MBBS, MD. Reg No : 53635 (WBMC)

Note

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



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Collected On : 25/03/2023 09:00 AM Received On : 25/03/2023 09:39 AM Reported On : 25/03/2023 10:38 AM

Barcode : 802303250311 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9679817749

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Glucose Oxidase, Peroxidase)	100 H	mg/dL	Normal: 70-99 Pre-diabetes: 100-125 Diabetes: => 126 ADA standards 2019

--End of Report--

Dr. Sujata Ghosh
PhD, Biochemistry
Biochemist M.Sc , Ph. D

Dr. Debasree Biswas
MD, Biochemistry
Clinical Biochemist MBBS, MD

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(Fasting Blood Sugar (FBS) -> Auto Authorized)



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Collected On : 25/03/2023 09:00 AM Received On : 25/03/2023 09:45 AM Reported On : 25/03/2023 11:12 AM

Barcode : BR2303250024 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9679817749

IMMUNOHAEMATOLOGY

Test	Result	Unit
BLOOD GROUP & RH TYPING		
Blood Group (Column Agglutination Technology)	O	-
RH Typing (Column Agglutination Technology)	Positive	-

--End of Report--

Dr. Amal Kumar Saha
MBBS, D.PED, ECFMG
Blood Bank Officer

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Collected On : 25/03/2023 09:00 AM Received On : 25/03/2023 09:39 AM Reported On : 25/03/2023 10:43 AM

Barcode : 802303250310 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9679817749

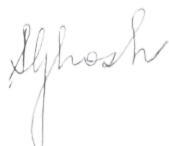
CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.58	mg/dL	0.52-1.04
eGFR	123.0	mL/min/1.73m ²	-
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric - Urease)	7.72	-	7.0-17.0
Serum Sodium (Direct ISE - Potentiometric)	138	mmol/L	137.0-145.0
Serum Potassium (Direct ISE - Potentiometric)	4.2	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	158	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic Endpoint Colorimetric)	124	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	30 L	mg/dL	40.0-60.0
Non-HDL Cholesterol	128.0	-	-
LDL Cholesterol (Non LDL Selective Elimination, CHOD/POD)	84.2	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	24.8	mg/dL	0.0-40.0
Cholesterol /HDL Ratio	5.3	-	-

LIVER FUNCTION TEST(LFT)

Patient Name : Dr. Srijeeta Banerjee MRN : 17510001172735 Gender/Age : FEMALE , 29y (08/11/1993)			
Bilirubin Total (Colorimetric -Diazo Method)	0.82	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Calculated)	0.35	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Colorimetric Endpoint)	0.46	-	-
Total Protein (Biuret Method)	7.70	g/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.10	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.6 H	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.14	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	31	U/L	14.0-36.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	33	U/L	<35.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	95	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	33	U/L	12.0-43.0

--End of Report--



Dr. Sujata Ghosh
PhD, Biochemistry
Biochemist M.Sc , Ph. D



Dr. Debasree Biswas
MD, Biochemistry
Clinical Biochemist MBBS, MD

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- Kindly correlate clinically.
(LFT, -> Auto Authorized)
(Lipid Profile, -> Auto Authorized)
(Blood Urea Nitrogen (Bun), -> Auto Authorized)
(Serum Sodium, -> Auto Authorized)
(Serum Potassium, -> Auto Authorized)
(CR -> Auto Authorized)



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Barcode : 802303250310 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9679817749

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence Immunoassay (CLIA))	1.64	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence Immunoassay (CLIA))	11.5 H	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence Immunoassay (CLIA))	4.994 H	uIU/ml	Non Pregnant: 0.4001-4.049 1st Trimester: 0.1298-3.10 2nd Trimester: 0.2749-2.652 3rd Trimester: 0.3127-2.947

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Barcode : 812303250212 Specimen : Whole Blood - ESR Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9679817749

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Modified Westergren Method)	75 H	mm/1hr	0.0-12.0

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Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9679817749

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC)	5.2	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	102.54	-	-

Interpretation:

- 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.
- 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.
- Any sample with >15% should be suspected of having a haemoglobin variant.

--End of Report--

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