

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms Mandi Sarathi MRN : 17600000231576 Gender/Age : FEMALE , 28y (03/02/1994)

Collected On : 12/01/2023 10:11 AM Received On : 12/01/2023 10:17 AM Reported On : 12/01/2023 11:52 AM

Barcode : F12301120079 Specimen : Plasma Consultant : Dr. Bodhisatwa Biswas(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9875601084

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Glucose Oxidase, Hydrogen Peroxidase)	84	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.



Narayana Multispeciality Hospital

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1800-309-0309 (Toll Free)

Emergencies

9836-75-0808

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Patient Name : Ms Mandi Sarathi MRN : 1760000231576 Gender/Age : FEMALE , 28y (03/02/1994)

Collected On : 12/01/2023 02:31 PM Received On : 12/01/2023 02:32 PM Reported On : 12/01/2023 04:18 PM

Barcode : F12301120113 Specimen : Plasma Consultant : Dr. Bodhisatwa Biswas(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9875601084

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Glucose Oxidase, Hydrogen Peroxidase)	104	mg/dL	Normal: ≤140 Pre-diabetes: 141-199 Diabetes: => 200

Interpretations:

(ADA Standards Jan 2017)

FBS can be less than PPBS in certain conditions like post prandial reactive hypoglycaemia, exaggerated response to insulin, subclinical hypothyroidism, very lean/anxious individuals. In non-diabetic individuals, such patients can be followed up with GTT.

--End of Report--

Dr. Samarpita Mukherjee
MBBS, MD Biochemistry
Consultant

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Collected On : 12/01/2023 10:11 AM Received On : 12/01/2023 10:17 AM Reported On : 12/01/2023 06:27 PM

Barcode : F12301120080 Specimen : Whole Blood Consultant : Dr. Bodhisatwa Biswas(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9875601084

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC)	4.5	%	Both: Normal: 4.0-5.6 Both: Prediabetes: 5.7-6.4 Both: Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	82.45	-	-

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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MBBS, MD Biochemistry
Consultant

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Collected On : 12/01/2023 10:11 AM Received On : 14/01/2023 11:06 AM Reported On : 14/01/2023 11:41 AM

Barcode : F32301120003 Specimen : Stool Consultant : Dr. Bodhisatwa Biswas(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9875601084

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
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STOOL ROUTINE EXAMINATION
PHYSICAL EXAMINATION

Colour (Visible)	Yellowish	-	-
Consistency (Visible)	Soft	-	-
Mucus (Visible)	Present	-	-
Blood (Guaiac Method)	Absent	-	-

CHEMICAL EXAMINATION

Stool For Occult Blood (Standard Guaiac Method)	Negative	-	-
Reaction (pH Indicator Method)	Acidic	-	-
Reducing Substances	Absent	-	-

MICROSCOPE EXAMINATION

Ova (Microscopy)	Absent	-	-
Cyst Of Protozoa (Microscopy)	Absent	-	-
Trophozoite (Microscopy)	Absent	-	-
Red Blood Cells (Stool) (Microscopy)	Absent	-	-
Pus Cells (Microscopy)	2-3/hpf	-	1 - 2
Starch (Microscopy)	Absent	-	-
Epithelial Cells (Microscopy)	Not Seen	-	2-3

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Test	Result	Unit	Biological Reference Interval
Veg Cells (Microscopy)	Present	-	-

--End of Report--



Dr. Sudhanya Biswas
MBBS, MD, Pathology
Consultant

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Collected On : 12/01/2023 10:11 AM Received On : 12/01/2023 10:17 AM Reported On : 12/01/2023 11:43 AM

Barcode : F22301120068 Specimen : Whole Blood Consultant : Dr. Bodhisatwa Biswas(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9875601084

HAEMATOLOGY LAB

Test	Result	Unit
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BLOOD GROUP & RH TYPING

Blood Group (Slide Technique And Tube Technique)	"O"	-
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RH Typing (Slide Technique And Tube Technique)	Positive	-
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Dr. Sudhanya Biswas
MBBS, MD, Pathology
Consultant

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
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COMPLETE BLOOD COUNT (CBC)

Haemoglobin (Hb%) (Cyanide-free Hemoglobin Method)	9.0 L	g/dL	12.0-15.0
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Red Blood Cell Count (Impedance Variation)	4.33	millions/ μ L	3.8-4.8
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PCV (Packed Cell Volume) / Hematocrit (Impedance)	29.5 L	%	36.0-46.0
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MCV (Mean Corpuscular Volume) (Calculated)	68 L	fL	83.0-101.0
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MCH (Mean Corpuscular Haemoglobin) (Calculated)	20.8 L	pg	27.0-32.0
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MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	30.5 L	g/dL	31.5-34.5
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Test	Result	Unit	Biological Reference Interval
Red Cell Distribution Width (RDW) (Impedance)	20.6 H	%	11.6-14.0
Platelet Count (Impedance Variation/Microscopy)	234	Thousand / μ L	150.0-410.0
Total Leucocyte Count(WBC) (Impedance Variation)	9.5	$\times 10^3$ cells/ μ l	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (Impedance Variation And Absorbency /Microscopy)	56.9	%	40.0-80.0
Lymphocytes (Impedance Variation And Absorbency /Microscopy)	35.6	%	20.0-40.0
Monocytes (Impedance Variation And Absorbency /Microscopy)	1.7 L	%	2.0-10.0
Eosinophils (Impedance Variation And Absorbency /Microscopy)	5.7	%	1.0-6.0
Basophils (Impedance Variation And Absorbency /Microscopy)	0.1 L	%	1.0-2.0
Absolute Neutrophil Count	5.41	-	-
Absolute Lymphocyte Count	3.39	-	-
Absolute Monocyte Count	0.17	-	-
Absolute Eosinophil Count	0.55	-	-
Absolute Basophil Count	0.01	-	-

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

--End of Report--

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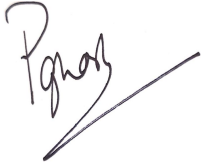
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Dr. Prithwijit Ghosh
MBBS, MD, Pathology
Consultant Pathologist

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Barcode : F22301120069 Specimen : Whole Blood - ESR Consultant : Dr. Bodhisatwa Biswas(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9875601084

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	34 H	mm/1hr	0.0-20.0

--End of Report--



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MBBS, MD, Pathology
Consultant

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Collected On : 12/01/2023 10:11 AM Received On : 14/01/2023 11:06 AM Reported On : 14/01/2023 11:42 AM

Barcode : F32301120002 Specimen : Urine Consultant : Dr. Bodhisatwa Biswas(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9875601084

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
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URINE ROUTINE & MICROSCOPY
PHYSICAL EXAMINATION

Volume (Visible)	60	ml	-
Colour (Visible)	Pale Yellow	-	-
Appearance (Visible)	Clear	-	-

CHEMICAL EXAMINATION

pH(Reaction) (Dual Wavelength Reflectance)	6.5	-	5.0-8.0
Sp. Gravity (Dual Wavelength Reflectance)	1.015	-	1.002-1.030
Protein (Dual Wavelength Reflectance/Acetic Acid Tes (Heat Test))	Absent	-	-
Urine Glucose (Dual Wavelength Reflectance /Benedict's Test)	Absent	-	-
Ketone Bodies (Dual Wavelength Reflectance /Manual)	Absent	-	Negative
Bile Salts (Dual Wavelength Reflectance/Hay's Test)	Absent	-	Negative
Bile Pigment (Bilirubin) (Dual Wavelength Reflectance/Fouchet's Test)	Absent	-	Negative
Urobilinogen (Dual Wavelength Reflectance /Ehrlich's Method)	Normal	-	-
Urine Leucocyte Esterase (Dual Wavelength Reflectance)	Absent	-	Negative
Blood Urine (Dual Wavelength Reflectance)	Absent	-	-

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Test	Result	Unit	Biological Reference Interval
Nitrite (Dual Wavelength Reflectance)	Absent	-	-

MICROSCOPIC EXAMINATION

Pus Cells (Microscopy)	3-4/hpf	-	1 - 2
RBC (Microscopy)	Not Seen	-	1-2/hpf
Epithelial Cells (Microscopy)	4-6/hpf	-	2-3
Crystals (Microscopy)	Not Seen	-	-
Casts (Microscopy)	Absent	-	-
Others (Microscopy)	Nil	-	-

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Collected On : 12/01/2023 10:11 AM Received On : 12/01/2023 10:17 AM Reported On : 12/01/2023 01:12 PM

Barcode : F12301120078 Specimen : Serum Consultant : Dr. Bodhisatwa Biswas(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9875601084

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Blood Urea Nitrogen (BUN) (Urease, UV)	7.0	mg/dL	7.0-17.0
Serum Uric Acid (Uricase)	5.4	mg/dL	2.5-6.2
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Cholesterol Oxidase Esterase Peroxidase)	160	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic End Point)	140	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Direct Measure, PTA /MgCl ₂)	36 L	mg/dL	Low: <40.0 mg/dL High: >60.0 mg/dL
Non-HDL Cholesterol	124.0	-	-
LDL Cholesterol (End Point)	93.00	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	28	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	4.5	-	-
Bilirubin Total (Dyphylline, Diazonium Salt)	1.1	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Direct Measure)	0.2	mg/dL	0.0-0.3
Unconjugated Bilirubin (Indirect) (Direct Measure)	0.9	mg/dL	0.3-1.3
Total Protein (Biuret, No Serum Blank, End Point)	7.8	g/dL	6.3-8.2
Serum Albumin (Bromcresol Green (BCG))	4.1	gm/dL	3.5-5.0

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Serum Globulin (Calculated)	3.7 H	g/dL	2.0-3.5
SGOT (AST) (Multiple-point Rate)	30	U/L	14.0-36.0
SGPT (ALT) (Uv With P5p)	28	U/L	<35.0
Alkaline Phosphatase (ALP) (PMPP, AMP Buffer)	116	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (G-glutamyl-p-nitroanilide)	55 H	U/L	12.0-43.0
TSH (Thyroid Stimulating Hormone) (CLIA)	2.343	μIU/mL	0.4-4.049
Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (CLIA)	1.08	ng/mL	0.97-1.69
Thyroxine (T4) (CLIA)	5.44 L	μg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (CLIA)	2.343	μIU/mL	0.4-4.049

--End of Report--



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 MBBS, MD Biochemistry
 Consultant

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