

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms S Dhivya MRN : 10200000266403 Gender/Age : FEMALE , 30y (26/05/1992)

Collected On : 26/11/2022 01:52 PM Received On : 26/11/2022 02:17 PM Reported On : 26/11/2022 02:53 PM

Barcode : 012211261722 Specimen : Plasma Consultant : Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9894619405

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Colorimetric - Glucose Oxidase Peroxidase)	108	mg/dL	70 to 139 : Normal 140 to 199 : Pre-diabetes =>200 : Diabetes ADA standards 2020

--End of Report--



Dr. Anushre Prasad
MBBS,MD, Biochemistry
Consultant Biochemistry



Mrs. Latha B S
MSc, Mphil, Biochemistry
Incharge, Consultant Biochemistry

Note

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

(Post Prandial Blood Sugar (PPBS) -> autoAuthorised)



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Patient Name : Ms S Dhivya MRN : 10200000266403 Gender/Age : FEMALE , 30y (26/05/1992)

Collected On : 26/11/2022 10:52 AM Received On : 26/11/2022 11:27 AM Reported On : 26/11/2022 12:50 PM

Barcode : 012211261217 Specimen : Serum Consultant : Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9894619405

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.48 L	mg/dL	0.6-1.0
eGFR (Calculated)	151.9	mL/min/1.73m ²	Indicative of renal impairment < 60 Note:eGFR is inaccurate for Hemodynamically unstable patients eGFR is not applicable for less than 18 years of age.
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric – Urease)	9.9	mg/dL	7.0-17.0
Serum Uric Acid (Colorimetric - Uricase,Peroxidase)	3.56	mg/dL	2.5-6.2
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	182	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Colorimetric - Lip/Glycerol Kinase)	134	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	46	mg/dL	40.0-60.0
Non-HDL Cholesterol (Calculated)	136.0 H	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220
LDL Cholesterol (Colorimetric)	121 L	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	26.8	mg/dL	0.0-40.0

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Cholesterol /HDL Ratio (Calculated)	4.0	-	0.0-5.0
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence)	1.42	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence)	9.38	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence)	2.611	µIU/mL	> 18 Year(s) : 0.4 -4.5 Pregnancy: 1st Trimester: 0.129-3.120 2nd Trimester: 0.274-2.652 3rd Trimester: 0.312-2.947
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Colorimetric -Diazo Method)	0.40	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Dual Wavelength - Reflectance Spectrophotometry)	0.10	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Calculated)	0.31	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.00	gm/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.00	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.0	gm/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.34	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	22	U/L	14.0-36.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	22	U/L	<35.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	115	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	23	U/L	12.0-43.0

Interpretation Notes



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Indirect Bilirubin result is a calculated parameter (Indirect Bilirubin = Total Bilirubin - Direct Bilirubin).
Indirect bilirubin result includes the delta bilirubin fraction also. Delta Bilirubin is the bilirubin which is covalently bound to albumin.
Delta Bilirubin is not expected to be present in healthy adults or neonates.

--End of Report--



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(Lipid Profile, -> autoAuthorised)
(, -> autoAuthorised)
(LFT, -> autoAuthorised)
(Uric Acid, -> autoAuthorised)
(Blood Urea Nitrogen (Bun) -> autoAuthorised)



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Collected On : 26/11/2022 10:52 AM Received On : 26/11/2022 11:27 AM Reported On : 26/11/2022 12:28 PM

Barcode : 012211261215 Specimen : Plasma Consultant : Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9894619405

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Colorimetric - Glucose Oxidase Peroxidase)	93	mg/dL	70 to 99 : Normal 100 to 125 : Pre-diabetes =>126 : Diabetes ADA standards 2020

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Collected On : 26/11/2022 10:52 AM Received On : 26/11/2022 11:27 AM Reported On : 26/11/2022 12:48 PM

Barcode : 022211260611 Specimen : Whole Blood - ESR Consultant : Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9894619405

HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	10	mm/1hr	0.0-12.0

--End of Report--

Hema S

Dr. Hema S
MD, DNB, Pathology
Associate Consultant

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Collected On : 26/11/2022 10:52 AM Received On : 26/11/2022 11:27 AM Reported On : 26/11/2022 11:57 AM

Barcode : 012211261216 Specimen : Whole Blood Consultant : Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9894619405

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC NGSP Certified)	5.7 H	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2020
Estimated Average Glucose (Calculated)	116.89	-	-

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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MC-2688



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Collected On : 26/11/2022 10:52 AM Received On : 26/11/2022 11:27 AM Reported On : 26/11/2022 11:58 AM

Barcode : 022211260612 Specimen : Whole Blood Consultant : Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9894619405

HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	12.4	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	4.64	million/ μ l	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	38.0	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived)	82.0 L	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	26.7 L	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.6	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	14.4 H	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	340	$10^3/\mu$ L	150.0-450.0
Total Leucocyte Count(WBC) (Electrical Impedance)	9.9	$10^3/\mu$ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	58.3	%	40.0-75.0
Lymphocytes (VCS Technology Plus Microscopy)	33.7	%	20.0-40.0
Monocytes (VCS Technology Plus Microscopy)	5.5	%	2.0-10.0
Eosinophils (VCS Technology Plus Microscopy)	2.1	%	1.0-6.0
Basophils (VCS Technology Plus Microscopy)	0.4	%	0.0-2.0

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Absolute Neutrophil Count (Calculated)	5.8	$\times 10^3$ cells/ μ l	2.0-7.0
Absolute Lymphocyte Count (Calculated)	3.4 H	$\times 10^3$ cells/ μ l	1.0-3.0
Absolute Monocyte Count (Calculated)	0.6	$\times 10^3$ cells/ μ l	0.2-1.0
Absolute Eosinophil Count (Calculated)	0.3	$\times 10^3$ cells/ μ l	0.02-0.5
Absolute Basophil Count (Calculated)	0.1	-	-

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

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Collected On : 26/11/2022 01:52 PM Received On : 26/11/2022 02:28 PM Reported On : 26/11/2022 02:42 PM

Barcode : 032211260288 Specimen : Urine Consultant : Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9894619405

CLINICAL PATHOLOGY

Test	Result	Unit
Urine For Sugar (Post Prandial) (Enzyme Method (GOD POD))	Not Present	-

--End of Report--

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Barcode : 032211260206 Specimen : Urine Consultant : Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9894619405

CLINICAL PATHOLOGY

Test	Result	Unit
Urine For Sugar (Fasting) (Enzyme Method (GOD POD))	Not Present	-

--End of Report--

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Barcode : 032211260206 Specimen : Urine Consultant : Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9894619405

CLINICAL PATHOLOGY

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

Colour	STRAW	-	-
Appearance	Slightly Turbid	-	-

CHEMICAL EXAMINATION

pH(Reaction) (pH Indicator Method)	6.5	-	4.5-7.5
Sp. Gravity (Refractive Index)	1.015	-	1.002 - 1.030
Protein (Automated Protein Error Or Ph Indicator)	Not Present	-	Not Present
Urine Glucose (Enzyme Method (GOD POD))	Not Present	-	Not Present
Ketone Bodies (Nitroprusside Method)	Not Present	-	Not Present
Bile Salts (Azo Coupling Method)	Not Present	-	Not Present
Bile Pigment (Bilirubin) (Azo Coupling Method)	Not Present	-	Not Present
Urobilinogen (Azo Coupling Method)	Normal	-	Normal
Urine Leucocyte Esterase (Measurement Of Leukocyte Esterase Activity)	Present ++	-	Not Present
Blood Urine (Peroxidase Reaction)	Present ++	-	Not present
Nitrite (Gries Method)	Not Present	-	Not Present

MICROSCOPIC EXAMINATION

Patient Name : Ms S Dhivya MRN : 10200000266403 Gender/Age : FEMALE , 30y (26/05/1992)

Pus Cells	7.9	/hpf	0-5
RBC	0.4	/hpf	0-4
Epithelial Cells	5.7	/hpf	0-6
Crystals	0.0	/hpf	0-2
Casts	0.00	/hpf	0-1
Bacteria	196.0	/hpf	0-200
Yeast Cells	5.0	/hpf	0-1
Mucus	Not Present	-	Not Present

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