

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Vidya V MRN : 20110000013429 Gender/Age : FEMALE , 57y (01/06/1965)

Collected On : 10/09/2022 09:27 AM Received On : 10/09/2022 11:46 AM Reported On : 10/09/2022 02:01 PM

Barcode : 012209100765 Specimen : Serum Consultant : Dr. Priya S(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9480616890

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>Fasting Blood Sugar (FBS)</b> (Colorimetric - Glucose Oxidase Peroxidase)	<b>103 H</b>	mg/dL	70 to 99 : Normal 100 to 125 : Pre-diabetes =>126 : Diabetes ADA standards 2020
<b>SERUM CREATININE</b>			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.61	mg/dL	0.6-1.0
eGFR (Calculated)	101.1	mL/min/1.73m <sup>2</sup>	Indicative of renal impairment < 60 Note:eGFR is inaccurate for Hemodynamically unstable patients eGFR is not applicable for less than 18 years of age.
<b>Blood Urea Nitrogen (BUN)</b> (Endpoint /Colorimetric – Urease)	11	mg/dL	7.0-17.0
<b>Serum Uric Acid</b> (Colorimetric - Uricase,Peroxidase)	6.1	mg/dL	2.5-6.2
<b>LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)</b>			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	182	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Colorimetric - Lip/Glycerol Kinase)	82	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholestrol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	<b>63 H</b>	mg/dL	40.0-60.0
Non-HDL Cholestrol (Calculated)	119.0	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220
LDL Cholesterol (Colorimetric)	<b>92 L</b>	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Verv High: > 190

VLDL Cholesterol (Calculated)	16.4	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	2.9	-	0.0-5.0
<b>LIVER FUNCTION TEST(LFT)</b>			
Bilirubin Total (Colorimetric -Diazo Method)	0.48	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)	0.38	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.60	gm/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.10	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.5	gm/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.18	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	29	U/L	14.0-36.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	21	U/L	<35.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	104	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide ( Szasz Method))	19	U/L	12.0-43.0

**Interpretation Notes**

- 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.



Dr. Anushre Prasad  
MBBS,MD, Biochemistry  
Consultant Biochemistry



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

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>THYROID PROFILE (T3, T4, TSH)</b>			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence)	1.39	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence)	8.70	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence)	<b>4.596 H</b>	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

--End of Report--



Dr. Anushre Prasad  
MBBS,MD, Biochemistry  
Consultant Biochemistry

**Note**

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



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Collected On : 10/09/2022 09:27 AM Received On : 10/09/2022 11:46 AM Reported On : 10/09/2022 02:16 PM

Barcode : 012209100766 Specimen : Whole Blood Consultant : Dr. Priya S(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9480616890

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
<b>HBA1C</b> HbA1c (HPLC NGSP Certified)	<b>6.4 H</b>	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2020
Estimated Average Glucose (Calculated)	136.99	-	-

**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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**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Vidya V MRN : 20110000013429 Gender/Age : FEMALE , 57y (01/06/1965)

Collected On : 10/09/2022 12:46 PM Received On : 10/09/2022 03:16 PM Reported On : 10/09/2022 03:49 PM

Barcode : 032209100273 Specimen : Stool Consultant : Dr. Priya S(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9480616890

**CLINICAL PATHOLOGY**

Test	Result	Unit	Biological Reference Interval
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**STOOL ROUTINE EXAMINATION  
PHYSICAL EXAMINATION**

Colour	Yellowish	-	-
Consistency	Semi Solid	-	-
Mucus	Absent	-	-

**CHEMICAL EXAMINATION**

Stool For Occult Blood (Standard Guaiac Method)	Negative	-	-
Reaction	Alkaline	-	-

**MICROSCOPE EXAMINATION**

Ova	Not Seen	-	-
Cyst Of Protozoa	Not Seen	-	-
Pus Cells	3-4	/hpf	0-5

--End of Report--



Dr. Sudarshan Chougule  
MBBS, MD, Pathology  
Consultant & Head - Hematology & Flow Cytometry

Patient Name : Ms Vidya V MRN : 20110000013429 Gender/Age : FEMALE , 57y (1965-06-01)

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Collected On : 10/09/2022 09:27 AM Received On : 10/09/2022 11:46 AM Reported On : 10/09/2022 12:15 PM

Barcode : 022209100483 Specimen : Whole Blood Consultant : Dr. Priya S(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9480616890

**HEMATOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>COMPLETE BLOOD COUNT (CBC)</b>			
Haemoglobin (Hb%) (Photometric Measurement)	13.3	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	4.77	million/ $\mu$ l	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	40.9	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived)	85.7	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	27.9	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.6	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	<b>14.5 H</b>	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	289	$10^3/\mu$ L	150.0-450.0
Total Leucocyte Count(WBC) (Electrical Impedance)	6.6	$10^3/\mu$ L	4.0-10.0
<b>DIFFERENTIAL COUNT (DC)</b>			
Neutrophils (VCS Technology Plus Microscopy)	46.0	%	40.0-75.0
Lymphocytes (VCS Technology Plus Microscopy)	40.0	%	20.0-40.0
Monocytes (VCS Technology Plus Microscopy)	6.8	%	2.0-10.0
Eosinophils (VCS Technology Plus Microscopy)	<b>6.5 H</b>	%	1.0-6.0
Basophils (VCS Technology Plus Microscopy)	0.7	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	3000.0	cells/cumm	2000.0-7000.0
Absolute Lymphocyte Count (Calculated)	2600.0	cells/cumm	1000.0-3330.0
Absolute Monocyte Count (Calculated)	400.0	-	-

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Absolute Eosinophil Count (Calculated)	400.0	cells/cumm	40.0-440.0
Absolute Basophil Count (Calculated)	0.0	-	-

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

**--End of Report--**

*Hema S*

Dr. Hema S  
MD, DNB, Pathology  
Associate Consultant

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Patient Name : Ms Vidya V MRN : 20110000013429 Gender/Age : FEMALE , 57y (01/06/1965)

Collected On : 10/09/2022 09:27 AM Received On : 10/09/2022 11:50 AM Reported On : 10/09/2022 03:43 PM

Barcode : 032209100159 Specimen : Urine Consultant : Dr. Priya S(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9480616890

**CLINICAL PATHOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>URINE ROUTINE &amp; MICROSCOPY</b>			
<b>PHYSICAL EXAMINATION (AUTOMATED)</b>			
Colour	STRAW	-	-
Appearance	Clear	-	-
Sp. Gravity (Refractive Index)	1.011	-	1.002 - 1.030
<b>CHEMICAL EXAMINATION (AUTOMATED)</b>			
pH(Reaction) (pH Indicator Method)	5.0	-	4.5-7.5
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)	Not Present	-	Not Present
Blood Urine (Peroxidase Reaction)	<b>Present +</b>	-	Not Present
Nitrite (Gries Method)	Not Present	-	Not Present
<b>MICROSCOPIC EXAMINATION (FLOW CYTOMETRY)</b>			
Pus Cells	0.6	/hpf	0-5
RBC	2.9	/hpf	0-4
Epithelial Cells	8.0	/hpf	0-6

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Crystals	0.0	/hpf	0-2
Casts	0.00	/hpf	0-1
Bacteria	37.9	/hpf	0-200
Yeast Cells	0.1	/hpf	0-1
Mucus	Not Present	-	Not Present

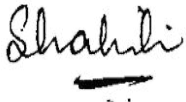


Dr. Sudarshan Chougule  
MBBS, MD, Pathology  
Consultant & Head - Hematology & Flow Cytometry

#### CLINICAL PATHOLOGY

Test	Result	Unit
<b>Urine For Sugar (Fasting)</b> (Enzyme Method (GOD POD))	Not found	-

--End of Report--



Dr. Shalini K S  
DCP, DNB, Pathology  
Consultant

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Collected On : 10/09/2022 09:27 AM Received On : 10/09/2022 12:04 PM Reported On : 10/09/2022 12:35 PM

Barcode : 1B2209100024 Specimen : Whole Blood Consultant : Dr. Priya S(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9480616890

**NARAYANA HRUDAYALAYA BLOOD CENTRE**

Test	Result	Unit
<b>BLOOD GROUP &amp; RH TYPING</b>		
Blood Group (Column Agglutination Technology)	O	-
RH Typing (Column Agglutination Technology)	Negative	-

--End of Report--

Dr. Prathip Kumar B R  
MBBS,MD, Immunohaematology & Blood Transfusion  
Consultant

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