



**DEPARTMENT OF LABORATORY SERVICES**

<b>Patient</b>	Mr. SAYAK SAHA	<b>Lab No/ManualNo</b>	5388977/
<b>UHIDNo/IPNO</b>	300446751	<b>CollectionDate</b>	19/03/2024 2:59PM
<b>Age/Gender</b>	39 Years/Male	<b>Receiving Date</b>	19/03/2024 2:59PM
<b>Bed No/Ward</b>	OPD	<b>Report Date</b>	19/03/2024 5:38PM
<b>Referred By</b>	Dr. Casualty Medical Officer	<b>Report Status</b>	Final
		<b>Sample Quality</b>	

Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
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Biochemistry					
ArcoFemi Healthcare Ltd Below 40 Male					
					Serum
Gamma GT	24.40	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	0.72	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	Serum
Uric Acid	6.8	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	77.0	mg/dL	< 100.0	Hexokinase	
As per ADA Guideline Normal : Less than 100 mg/dL Prediabetes : 100 mg/dL to 125 mg/dL Diabetes : 126 mg/dL or Higher					

**\*LIVER FUNCTION TEST (LFT) SERUM** Serum

SGPT(ALT)	30.00	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate	
SGOT(AST)	21.50	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate	
Alkaline Phosphatase	93.0	U/L	40.0 - 129.0	PNP-Standardize	



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Bilirubin Total	0.77	mg/dL	0.00 - 1.10	Diazo Method	
Bilirubin Direct	<b>H 0.26</b>	mg/dL	0.00 - 0.20	Diazo Method	
Bilirubin Indirect	0.51	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin	
Protein Total	7.06	g/dL	6.40 - 8.20	Biuret Method	
Albumin	4.52	g/dL	3.97 - 4.95	BCG Endpoint	
Globulin	2.54	g/dL	2.20 - 3.50	Calculated	
A/G Ratio	1.78	Ratio	0.90 - 2.80	Ratio	
EDTA Blood					
HbA1c (Glyco Hb)	6.30	%	4.8 % - 5.9 % Normal 5.9 % - 7.0 % Good diabetic Control 7.0 % - 10.00 % Fair Diabetic Control >10.0 % Poor diabetic Control	Immunoturbidimetric	
Mean Plasma Glucose	<b>H 148.0</b>	mg/dL	80.0 - 140.0		Serum
Blood Urea	23.7	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	
BUN*	11.1	mg/dL	6.0 - 20.0	Ureas with UV	Serum
TOTAL T3*	1.340	ng/mL	0.850 - 2.020	ECLIA.	
TOTAL T4*	6.520	ug/dL	5.130 - 14.060	ECLIA.	
THYROID STIMULATING HORMONE	2.140	uIU/mL	0.270 - 4.200	ECLIA.	

(\*) Not in NABL Scope

\*\*End Of Report\*\*



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**Biochemistry**

ArcoFemi Healthcare Ltd Below 40 Male

**\*LIPID PROFILE (WITH DIRECT LDL)**

Serum

Sample Type	Fasting				
Cholesterol Total	166.40	mg/dL	Less than 160 mg/dL Excellent Less than 200 mg/dL Desirable 200-239 mg/dL Borderline High 240 mg/dl & over high	Enzymatic (CHE/CHO/POD)	
Triglycerides	146.30	mg/dL	Less than 150 mg/dL Normal 150-199 mg/dL Borderline High 200-499 mg/dL High 500 mg/dL or greater very High	GPO-PAP	
HDL Cholesterol	44.10	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	100.50	mg/dL	Less than 80 mg/dL Excellent Less than 100 mg/dL Optimal 100-129 mg/dL Near or above optimal 130-159 mg/dL Borderline High 160-189 mg/dL High 190 mg/dL & above Very High	Homogenous Enzymatic	
VLDL Cholesterol	29.26	mg/dL	< 30	Calculated	
LDL/HDL RATIO	2.28		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	3.77		< 4.50		

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**Clinical Pathology**

ArcoFemi Healthcare Ltd Below 40 Male

**\*URINE ROUTINE EXAMINATION**

Urine

**Physical Examination:**

Quantity	20 ml			Visual method	
Colour	Pale Yellow			Visual method	
Appearance:	Clear			Visual method	
Reaction	5.0		4.5 - 8.0	Reflectance photometer	
Sp. Gravity	1.015		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

**Chemical Examination:**

U.Albumin	Nil			Reflectance photometer/Manual	
U.Glucose	Nil				
U.Acetone	Absent				
BS/BP	Absent				

**Microscopic Examination**

Pus Cell	Occasional		/H.P.F.	Microscopy	
Red Blood Cell	1-2		/H.P.F.		
Epithelial cell	1-2		/H.P.F.		
Cast	Absent				
Crystals	Absent				
Amorphous	Absent				
Monilia	Absent				

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**Haematology**

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**\*CBC WITH ESR**

EDTA Blood

Haemoglobin	15.1	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	47.8	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	5.32	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	89.8	fl	83.0 - 101.0	Calculated	
MCH	28.4	pg	27.0 - 31.0	Calculated	
MCHC	<b>L 31.6</b>	g/dL	32.0 - 36.0	Calculated	
RDW-CV	<b>H 14.9</b>	%	11.5 - 14.0	Calculated	
Platelet count	156000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	<b>H 14.2</b>	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	8650.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
<b>Differential Leucocyte Count</b>				Flowcytometry/Microscopic	
Neutrophils	64	%	40 - 70		
Lymphocytes	28	%	22 - 45		
Eosinophils	03	%	1 - 4		
Monocytes	05	%	1 - 6		
Basophils	00	%	0 - 1		
<b>Absolute Leucocyte Count</b>					
Absolute Neutrophil Count*	5536	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2422	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	259.5	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	432.5	/cumm	0 - 800		
Peripheral Smear Study	RBCs are Normochromic & Normocytic. Platelets are adequate in number. Malarial Parasites are not seen. No Premature cells are seen.				

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Erythrocyte Sedimentation Rate (ESR)      09                      mm/hr              0 - 10                      Photometric capillary stopped flow kinetic

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**Immuno-Haematology**

ArcoFemi Healthcare Ltd Below 40 Male

**\*BLOOD GROUPING**

EDTA Blood

ABO Group	"O"			Tube Agglutination Method	
Rh Type	Positive				

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