



DEPARTMENT OF LABORATORY SERVICES

Patient	Mrs. RAKHI DAS	Lab No/ManualNo	5388969/
UHIDNo/IPNO	300446754	CollectionDate	19/03/2024 2:55PM
Age/Gender	35 Years/Female	Receiving Date	19/03/2024 2:56PM
Bed No/Ward	OPD	Report Date	19/03/2024 5:38PM
Referred By	Dr. Casualty Medical Officer	Report Status	Final
		Sample Quality	

Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
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Biochemistry					
ArcoFemi Healthcare Ltd Below 40 Female					
					Serum
Gamma GT	13.90	U/L	6.00 - 42.00	Enzymatic method	Serum
Creatinine	0.63	mg/dL	0.50 - 0.90	Jaffe Kinetic Compensated	Serum
Uric Acid	5.1	mg/dL	2.4 - 5.7	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	90.0	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)	29.30	U/L	0.00 - 33.00	IFCC without pyridoxal phosphate	
SGOT(AST)	21.80	U/L	0.00 - 32.00	IFCC without pyridoxal phosphate	
Alkaline Phosphatase	96.7	U/L	35.0 - 140.0	PNP-Standardize	



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Bilirubin Total	H 1.27	mg/dL	0.00 - 1.00	Diazo Method	
Bilirubin Direct	H 0.43	mg/dL	0.00 - 0.20	Diazo Method	
Bilirubin Indirect	0.84	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin	
Protein Total	H 8.24	g/dL	6.40 - 8.20	Biuret Method	
Albumin	4.87	g/dL	3.97 - 4.95	BCG Endpoint	
Globulin	3.37	g/dL	2.20 - 3.50	Calculated	
A/G Ratio	1.45	Ratio	0.90 - 2.80	Ratio	
					EDTA Blood
HbA1c (Glyco Hb)	5.10	%	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	104.0	mg/dL	80.0 - 140.0		Serum
Blood Urea	24.3	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	
BUN*	11.4	mg/dL	6.0 - 20.0	Ureas with UV	Serum
TOTAL T3*	1.460	ng/mL	0.850 - 2.020	ECLIA.	
TOTAL T4*	8.740	ug/dL	5.130 - 14.060	ECLIA.	
THYROID STIMULATING HORMONE	H 5.420	uIU/mL	0.270 - 4.200	ECLIA.	

(*) Not in NABL Scope

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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Female

***LIPID PROFILE (WITH DIRECT LDL**

Serum

Sample Type	Fasting				
Cholesterol Total	156.60	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	76.10	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	51.00	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	88.90	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	15.22	mg/dL	< 30	Calculated	
LDL/HDL RATIO	1.74		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	3.07		< 4.50		

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Clinical Pathology

ArcoFemi Healthcare Ltd Below 40 Female

***URINE ROUTINE EXAMINATION**

Urine

Physical Examination:

Quantity	20 ml			Visual method	
Colour	Pale Yellow			Visual method	
Appearance:	Clear			Visual method	
Reaction	6.0		4.5 - 8.0	Reflectance photometer	
Sp. Gravity	1.020		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

Chemical Examination:

U.Albumin	Present(+)			Reflectance photometer/Manual	
U.Glucose	Nil				
U.Acetone	Absent				
BS/BP	Absent				

Microscopic Examination

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

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Haematology

ArcoFemi Healthcare Ltd Below 40 Female

***CBC WITH ESR**

EDTA Blood

Haemoglobin	L 12.1	g/dL	12.5 - 16.0	SLS Method	
Hematocrit/PCV	38.7	%	37.0 - 47.0	H.focusing Method	
RBC COUNT	4.30	mill/Cmm	4.20 - 5.40	H.focusing impedance	
MCV	90.0	fl	83.0 - 101.0	Calculated	
MCH	28.1	pg	27.0 - 31.0	Calculated	
MCHC	L 31.3	g/dL	32.0 - 36.0	Calculated	
RDW-CV	13.4	%	11.5 - 14.0	Calculated	
Platelet count	225000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	H 14.4	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	8000.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	70	%	40 - 70		
Lymphocytes	22	%	22 - 45		
Eosinophils	L 00	%	1 - 4		
Monocytes	H 08	%	1 - 6		
Basophils	00	%	0 - 1		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	5600	/cumm	1800 - 7700		
Absolute Lymphocyte count*	1760	/cumm	1000 - 4800		
Absolute Monocyte Count*	640	/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.				
Erythrocyte Sedimentation Rate (ESR)	H 78	mm/hr	0 - 12	Photometric capillary stopped flow kinetic	

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Immuno-Haematology

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***BLOOD GROUPING**

EDTA Blood

ABO Group	"B"			Tube Agglutination Method	
Rh Type	Positive				

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