



DEPARTMENT OF LABORATORY SERVICES

Patient Name	Mr. SANTOSHKUMAR BABULAL MAKWANA	Lab No/ManualNo	5018110/
UHIDNo/IPNO	300392722	CollectionDate	24/12/2022 2:33PM
Age/Gender	29 Years/Male	Receiving Date	24/12/2022 2:34PM
Bed No/Ward	OPD	Report Date	24/12/2022 4:18PM
Referred By	Dr. Casualty Medical Officer	Report Status	Final

Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Male

Creatinine	L 0.67	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	Serum
Uric Acid	5.1	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	88.8	mg/dL	70 - 100	Hexokinase	Serum
<u>LIVER FUNCTION TEST (LFT) SERUM</u>					Serum
SGPT(ALT)	18.5	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate	
SGOT(AST)	16.80	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate	
Alkaline Phosphatase	72.4	U/L	40 - 129	PNP-Standardize	
Bilirubin Total	0.7	mg/dL	0.00 - 1.10	Diazo Method	
Bilirubin Direct	H 0.3	mg/dL	0.00 - 0.20	Diazo Method	
Bilirubin Indirect	0.40	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin	
Protein Total	8.2	g/dL	6.40 - 8.20	Biuret Method	
Albumin	H 5.24	g/dL	3.97 - 4.95	BCG Endpoint	
Globulin	3.0	g/dL	2.20 - 3.50	Calculated	
A/G Ratio	1.77	Ratio	0.90 - 2.80	Ratio	

EDTA Blood



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HbA1c (Glyco Hb)	4.64	%	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	88.1	mg/dL	80 - 140	
Blood Urea	20.6	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH
BUN*	9.63	mg/dL	6 - 20	Ureas with UV

Serum

(*) Not in NABL Scope

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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Male

LIPID PROFILE (WITH DIRECT LDL)

Serum

Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
Sample Type	Random				
Cholesterol Total	140.6	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	139.8	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	Enzymatic colorimetric	
Cholesterol HDL	50.0	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	80.4	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	
Cholesterol VLDL	27.96	mg/dL	< 30		
LDL/HDL RATIO	1.61		< 4	Calculated	
Cholesterol Total / HDL Ratio	2.81		< 5	Calculated	

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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	6.5		4.5 - 8.0	Reflectance photometer	
Sp. Gravity	1.020		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

Chemical Examination:

U.Albumin	Absent			Reflectance photometer/Manual	
U.Gluocse	Absent				
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

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Citrate Whole Blood, EDTA Blood

CBC WITH ESR

Haemoglobin	17.3	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	51.3	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	H 6.29	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	L 81.6	fl	83.0 - 101.0	Calculated	
MCH	27.5	pg	27.0 - 31.0	Calculated	
MCHC	33.7	g/dL	32.0 - 36.0	Calculated	
RDW-CV	H 14.9	%	11.5 - 14.0	Calculated	
Platelet count	320000	/cumm	150000 - 450000	H.focusing impedance	
Mean Platelet Volume(MPV)*	9.6	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	H 10760	/cumm	4000 - 10500	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	64	%	40.0 - 70.0		
Lymphocytes	25	%	22 - 45		
Eosinophils	H 05	%	1.0 - 4.0		
Monocytes	06	%	1.0 - 6.0		
Basophils	00	%	0.0 - 1.0		
Immature Granulocytes	00	%	0 - 2		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	6886.4	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2690	/cumm	1000 - 4800		
Absolute Eosinophil Count*	H 538	/cumm	40 - 450		
Absolute Monocyte Count*	645.6	/cumm	0 - 800		
Peripheral Smear Study	RBCs shows Erythrocytosis(+). Platelets are adequate in number. Malarial Parasites are not seen. No Premature cells are seen.				
Erythrocyte Sedimentation Rate (ESR)	04	mm/hr	0 - 10	Modified westergren Method	



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Biochemistry/Immunology
ArcoFemi Healthcare Ltd Below 40 Male

Serum

TOTAL T3*	1.330	ng/mL	0.850 - 2.020	ECLIA.	
TOTAL T4*	9.570	ug/dL	5.130 - 14.060	ECLIA.	
THYROID STIMULATING HORMONE	1.970	uIU/mL	0.270 - 4.200	ECLIA.	

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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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