



DEPARTMENT OF LABORATORY SERVICES

Patient Name	Mr. PRAKASH PARSOTAMBHAI VAGHELA	Lab No/ManualNo	5080689/
UHIDNo/IPNO	300398779	CollectionDate	11/03/2023 8:24AM
Age/Gender	31 Years/Male	Receiving Date	11/03/2023 8:35AM
Bed No/Ward	OPD	Report Date	11/03/2023 11:05AM
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

Gamma GT*	14.00	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	0.82	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	Serum
Age	31				
Weight	68				
Gender	1				
eGFR	125.54	mL/minute/1.73 m2	39 - 137		
Uric Acid	H 9.8	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	97.4	mg/dL	70 - 100	Hexokinase	Serum
LIVER FUNCTION TEST (LFT) SERUM					Serum
SGPT(ALT)	14.30	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate	
SGOT(AST)	12.20	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate	
Alkaline Phosphatase	97.2	U/L	40 - 129	PNP-Standardize	
Bilirubin Total	0.39	mg/dL	0.00 - 1.10	Diazo Method	
Bilirubin Direct	0.17	mg/dL	0.00 - 0.20	Diazo Method	
Bilirubin Indirect	0.22	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin	
Protein Total	L 6.36	g/dL	6.40 - 8.20	Biuret Method	
Albumin	4.55	g/dL	3.97 - 4.95	BCG Endpoint	
Globulin	L 1.81	g/dL	2.20 - 3.50	Calculated	



Dr. Jitendra Narendrabhai Nayak
Reg.No:G-14786
Consultant Pathologist



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A/G Ratio	2.51	Ratio	0.90 - 2.80	Ratio	
Blood Urea	L 12.2	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	Serum
BUN*	L 5.70	mg/dL	6 - 20	Ureas with UV	

(*) Not in NABL Scope

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Biochemistry

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EDTA Blood

HbA1c (Glyco Hb)	5.24	%	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	109.0	mg/dL	80 - 140		

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M.D (Path)
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Biochemistry

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LIPID PROFILE (WITH DIRECT LDL)

Serum

Sample Type	Fasting				
Cholesterol Total	125.70	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	61.90	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	37.70	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	82.30	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	12.38	mg/dL	< 30		
LDL/HDL RATIO	2.18		< 4	Calculated	
Cholesterol Total / HDL Ratio	3.33		< 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	5			Reflectance photometer	
Sp. Gravity	1.020		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

Chemical Examination:

U.Albumin	Nil			Reflectance photometer/Manual	
U.Glucose	Nil				
U.Acetone	Nil				
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				
Other:	Absent				

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Haematology

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CBC WITH ESR

Citrate Whole Blood, EDTA Blood

Haemoglobin	14.6	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	45.5	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	5.15	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	88.3	fl	83.0 - 101.0	Calculated	
MCH	28.3	pg	27.0 - 31.0	Calculated	
MCHC	32.1	g/dL	32.0 - 36.0	Calculated	
RDW-CV	11.8	%	11.5 - 14.0	Calculated	
Platelet count	251000	/cumm	150000 - 450000	H.focusing impedance	
Mean Platelet Volume(MPV)*	9.2	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	7310	/cumm	4000 - 10500	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	64	%	40.0 - 70.0		
Lymphocytes	26	%	22 - 45		
Eosinophils	H 06	%	1.0 - 4.0		
Monocytes	04	%	1.0 - 6.0		
Basophils	00	%	0.0 - 1.0		
Immature Granulocytes	00	%	0 - 2		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	4678.4	/cumm	1800 - 7700		
Absolute Lymphocyte count*	1900.6	/cumm	1000 - 4800		
Absolute Eosinophil Count*	438.6	/cumm	40 - 450		
Absolute Monocyte Count*	292.4	/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)	04	mm/hr	0 - 10	Modified westergren Method	



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Biochemistry/Immunology
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Serum

TOTAL T3*	1.000	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	7.080	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	H 7.400	uIU/mL	0.270 - 4.200	ECLIA.

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Immuno-Haematology

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BLOOD GROUPING

EDTA Blood

ABO Group

"O"

Tube Agglutination Method

Rh Type

Positive

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