



DEPARTMENT OF LABORATORY SERVICES

Patient	Mr. AKASH SWARANKUMAR	Lab No/ManualNo	5388896/
UHIDNo/IPNO	300446744	CollectionDate	19/03/2024 2:33PM
Age/Gender	39 Years/Male	Receiving Date	19/03/2024 6:54PM
Bed No/Ward	OPD	Report Date	19/03/2024 7:38PM
Referred By	Dr. Casualty Medical Officer	Report Status	Final
		Sample Quality	Normal

Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
Biochemistry					
ArcoFemi Healthcare Ltd Below 40 Male					
					Serum
Gamma GT	16.00	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	1.02	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	Serum
Uric Acid	6.2	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	91.9	mg/dL	< 100.0	Hexokinase	Serum
As per ADA Guideline Normal : Less than 100 mg/dL Prediabetes : 100 mg/dL to 125 mg/dL Diabetes : 126 mg/dL or Higher					
Post prandial Glucose	72.2	mg/dL	< 140.0	Hexokinase	
Post prandial Urine Glucose	S.N.G. = Sample Not Given				

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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)	12.60	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	15.60	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	106.0	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	H 1.25	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	H 0.37	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.88	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.89	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.54	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	3.35	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.36	Ratio	0.90 - 2.80	Ratio

EDTA Blood

HbA1c (Glyco Hb)	5.50	%	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	118.0	mg/dL	80.0 - 140.0	

Serum



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Blood Urea	25.6	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH
BUN*	12.0	mg/dL	6.0 - 20.0	Ureas with UV

Serum

TOTAL T3*	1.340	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	7.090	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	1.240	uIU/mL	0.270 - 4.200	ECLIA.

(* Not in NABL Scope)

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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Male

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

Serum

Sample Type	Fasting				
Cholesterol Total	163.20	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	139.90	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	GPO-PAP	
HDL Cholesterol	35.30	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	105.90	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	27.98	mg/dL	< 30	Calculated	
LDL/HDL RATIO	3.00		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	H 4.62		< 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	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 Male

***CBC WITH ESR**

EDTA Blood

Haemoglobin	15.9	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	48.8	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	5.73	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	85.2	fl	83.0 - 101.0	Calculated	
MCH	27.7	pg	27.0 - 31.0	Calculated	
MCHC	32.6	g/dL	32.0 - 36.0	Calculated	
RDW-CV	12.5	%	11.5 - 14.0	Calculated	
Platelet count	228000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	8.7	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	4810.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	58	%	40 - 70		
Lymphocytes	36	%	22 - 45		
Eosinophils	02	%	1 - 4		
Monocytes	04	%	1 - 6		
Basophils	00	%	0 - 1		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	2789.8	/cumm	1800 - 7700		
Absolute Lymphocyte count*	1731.6	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	96.2	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	192.4	/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.				

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

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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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