



**DEPARTMENT OF LABORATORY SERVICES**

<b>Patient</b>	Mr. AMIT KUMAR SINHA	<b>Lab No/ManualNo</b>	5383042/
<b>UHIDNo/IPNO</b>	300445870	<b>CollectionDate</b>	13/03/2024 8:56AM
<b>Age/Gender</b>	49 Years/Male	<b>Receiving Date</b>	13/03/2024 9:12AM
<b>Bed No/Ward</b>	OPD	<b>Report Date</b>	13/03/2024 2:03PM
<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 Above 40 Male					
					Serum
Gamma GT	53.40	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	0.83	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	<b>H 116.2</b>	mg/dL	< 100.0	Hexokinase	Serum

**As per ADA Guideline**  
**For Fasting Plasma Glucose**  
 Normal : Less than 100 mg/dL  
 Prediabetes : 100 mg/dL to 125 mg/dL  
 Diabetes : 126 mg/dL or Higher  
**For 2 hrs Plasma Glucose after 75 Gms Glucose load**  
 Normal : Less than 140 mg/dL  
 Prediabetes : 140 to 199 mg/dL  
 Diabetes : 200 mg/dL or higher  
**For Random Plasma Glucose**  
 Diabetes is diagnosed at blood glucose greater than or equal to 200 mg/dL



Dr. Kazumi Gondalia  
 M.D (Path)  
 Reg.No.: G-21729



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Post prandial Glucose **H 146.2** mg/dL < 140.0 Hexokinase  
 Post prandial Urine Glucose S.N.G.

**As per ADA Guideline**

**For Fasting Plasma Glucose**

Normal : Less than 100 mg/dL

Prediabetes : 100 mg/dL to 125 mg/dL

Diabetes : 126 mg/dL or Higher

**For 2 hrs Plasma Glucose after 75 Gms Glucose load**

Normal : Less than 140 mg/dL

Prediabetes : 140 to 199 mg/dL

Diabetes : 200 mg/dL or higher

**For Random Plasma Glucose**

Diabetes is diagnosed at blood glucose greater than or equal to 200 mg/dL

**LIVER FUNCTION TEST (LFT) SERUM**

Serum

SGPT(ALT)	39.40	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	30.50	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	85.1	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	0.60	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	<b>H 0.24</b>	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.36	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.87	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.45	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	3.42	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.30	Ratio	0.90 - 2.80	Ratio

EDTA Blood

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HbA1c (Glyco Hb)	6.33	%	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 147.9</b>	mg/dL	80.0 - 140.0		Serum
Prostate Specific Antigen	0.857	ng/mL	0.000 - 4.000	ECLIA	Serum
Blood Urea	<b>L 15.1</b>	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	
BUN*	7.1	mg/dL	6.0 - 20.0	Ureas with UV	Serum
TOTAL T3*	1.290	ng/mL	0.850 - 2.020	ECLIA.	
TOTAL T4*	5.890	ug/dL	5.130 - 14.060	ECLIA.	
THYROID STIMULATING HORMONE	<b>H 8.680</b>	uIU/mL	0.270 - 4.200	ECLIA.	

(\*) Not in NABL Scope

\*\*End Of Report\*\*

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**Biochemistry**

ArcoFemi Healthcare Ltd Above 40 Male

**LIPID PROFILE (WITH DIRECT LDL)**

Serum

Sample Type	Fasting				
Cholesterol Total	199.30	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	193.20	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	37.90	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	134.60	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	<b>H 38.64</b>	mg/dL	< 30	Calculated	
LDL/HDL RATIO	<b>H 3.55</b>		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	<b>H 5.26</b>		< 4.50		



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<b>Bed No/Ward</b>	OPD	<b>Report Date</b>	13/03/2024 11:11AM
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**Clinical Pathology**

ArcoFemi Healthcare Ltd Above 40 Male

**URINE ROUTINE EXAMINATION**

Urine

**Physical Examination:**

Quantity	20 ml			Visual method	
Colour	Pale Yellow			Visual method	
Appearance:	Slightly turbid			Visual method	
Reaction	6.5		4.5 - 8.0	Reflectance photometer	
Sp. Gravity	1.010		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**

ArcoFemi Healthcare Ltd Above 40 Male

**CBC WITH ESR**

EDTA Blood

Haemoglobin	15.0	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	45.2	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	4.96	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	91.1	fl	83.0 - 101.0	Calculated	
MCH	30.2	pg	27.0 - 31.0	Calculated	
MCHC	33.2	g/dL	32.0 - 36.0	Calculated	
RDW-CV	12.3	%	11.5 - 14.0	Calculated	
Platelet count	165000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	<b>H 12.3</b>	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	6890.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
<b>Differential Leucocyte Count</b>				Flowcytometry/Microscopic	
Neutrophils	52	%	40.0 - 70.0		
Lymphocytes	39	%	22 - 45		
Eosinophils	02	%	1.0 - 4.0		
Monocytes	<b>H 07</b>	%	1.0 - 6.0		
Basophils	00	%	0.0 - 1.0		
Immature Granulocytes	00	%	0 - 2		
<b>Absolute Leucocyte Count</b>					
Absolute Neutrophil Count*	3582.8	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2687.1	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	137.8	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	482.3	/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)	<b>H 27</b>	mm/hr	0 - 12	Photometric capillary stopped flow kinetic	

Dr. Jitendra Narendrabhai Nayak  
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Consultant Pathologist





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**Immuno-Haematology**

ArcoFemi Healthcare Ltd Above 40 Male

**BLOOD GROUPING**

EDTA Blood

ABO Group	"O"	Tube Agglutination Method
Rh Type	Negative	

\*\*End Of Report\*\*

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