



**DEPARTMENT OF LABORATORY SERVICES**

<b>Patient</b>	Mr. MANISH SINGH	<b>Lab No/ManualNo</b>	5356952/
<b>UHIDNo/IPNO</b>	300442114	<b>CollectionDate</b>	13/02/2024 9:13AM
<b>Age/Gender</b>	35 Years/Male	<b>Receiving Date</b>	13/02/2024 9:57AM
<b>Bed No/Ward</b>	OPD	<b>Report Date</b>	13/02/2024 2:52PM
<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
<b>Biochemistry</b>					
ArcoFemi Healthcare Ltd Below 40 Male					
					Serum
Gamma GT	24.90	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	0.88	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	
Age	35				
Weight	82.6				
Gender	1.00				
eGFR	136.88	mL/minute/1.73 m <sup>2</sup>	39 - 137		Serum
Uric Acid	6.4	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	89.6	mg/dL	< 100.0	Hexokinase	



Dr. Viyati Chetanbhai Vithlani  
MBBS+MD Pathology  
Pathologist



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**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)	<b>H 43.50</b>	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	22.40	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	111.5	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	0.44	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	0.18	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.26	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.25	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.70	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	2.55	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.84	Ratio	0.90 - 2.80	Ratio

EDTA Blood

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HbA1c (Glyco Hb)	5.39	%	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	114.7	mg/dL	80.0 - 140.0		Serum
Blood Urea	17.5	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	
BUN*	8.2	mg/dL	6.0 - 20.0	Ureas with UV	Serum
TOTAL T3*	1.100	ng/mL	0.850 - 2.020	ECLIA.	
TOTAL T4*	8.930	ug/dL	5.130 - 14.060	ECLIA.	
THYROID STIMULATING HORMONE	<b>H 4.810</b>	uIU/mL	0.270 - 4.200	ECLIA.	

(\* Not in NABL Scope)

\*\*End Of Report\*\*



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**Biochemistry**

ArcoFemi Healthcare Ltd Below 40 Male

Serum

Post prandial Glucose	85.8	mg/dL	< 140.0	Hexokinase	
Post prandial Urine Glucose	SNG				

**As per ADA Guideline**

**For Fasting Plasma Glucose**

Normal : Less than 100 mg/dL  
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 Diabetes : 126 mg/dL or Higher

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**For Random Plasma Glucose**

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

\*\*End Of Report\*\*

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



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**Biochemistry**

ArcoFemi Healthcare Ltd Below 40 Male

**LIPID PROFILE (WITH DIRECT LDL)**

Serum

Sample Type	Fasting				
Cholesterol Total	162.30	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	114.30	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	39.60	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	113.00	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	22.86	mg/dL	< 30	Calculated	
LDL/HDL RATIO	2.85		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	4.10		< 4.50		



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MBBS+MD Pathology



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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			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	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	15.8	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	47.9	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	5.34	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	89.7	fl	83.0 - 101.0	Calculated	
MCH	29.6	pg	27.0 - 31.0	Calculated	
MCHC	33.0	g/dL	32.0 - 36.0	Calculated	
RDW-CV	12.4	%	11.5 - 14.0	Calculated	
Platelet count	185000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	<b>H 14.3</b>	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	7000.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
<b>Differential Leucocyte Count</b>				Flowcytometry/Microscopic	
Neutrophils	62	%	40.0 - 70.0		
Lymphocytes	28	%	22 - 45		
Eosinophils	04	%	1.0 - 4.0		
Monocytes	06	%	1.0 - 6.0		
Basophils	00	%	0.0 - 1.0		
<b>Absolute Leucocyte Count</b>					
Absolute Neutrophil Count*	4340	/cumm	1800 - 7700		
Absolute Lymphocyte count*	1960	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	280.0	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	420	/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 12</b>	mm/hr	0 - 10	Photometric capillary stopped flow kinetic	

Dr. Jitendra Narendrabhai Nayak

Reg.No:G-14786

Consultant Pathologist





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**Immuno-Haematology**

ArcoFemi Healthcare Ltd Below 40 Male

**BLOOD GROUPING**

EDTA Blood

ABO Group	"O"	Tube Agglutination Method
Rh Type	Positive	

**\*\*End Of Report\*\***



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