



**DEPARTMENT OF LABORATORY SERVICES**

<b>Patient</b>	Mr. JIGAR HARSHADKUMAR MAKWANA	<b>Lab No/ManualNo</b>	5408810/
<b>UHIDNo/IPNO</b>	300449436	<b>CollectionDate</b>	10/04/2024 9:09AM
<b>Age/Gender</b>	31 Years/Male	<b>Receiving Date</b>	10/04/2024 9:25AM
<b>Bed No/Ward</b>	OPD	<b>Report Date</b>	10/04/2024 1:35PM
<b>Referred By</b>	Dr. Casualty Medical Officer	<b>Report Status</b>	Final
		<b>Sample Quality</b>	Normal

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

ArcoFemi Healthcare Ltd Below 40 Male

					Serum
Gamma GT	28.20	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	0.78	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	Serum
Uric Acid	5.2	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	89.6	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

Serum

Dr. Kazumi Gondalia

M.D (Path)

Reg.No.: G-21729



JCI (USA)

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Post prandial Glucose 103.0 mg/dL < 140.0 Hexokinase

**As per ADA Guideline**

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**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)	21.60	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	25.20	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	107.7	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	0.68	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	<b>H 0.29</b>	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.39	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	6.81	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.51	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	2.30	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.96	Ratio	0.90 - 2.80	Ratio

EDTA Blood

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HbA1c (Glyco Hb)	4.90	%	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	97.0	mg/dL	80.0 - 140.0		Serum
Blood Urea	17.0	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	
BUN*	7.9	mg/dL	6.0 - 20.0	Ureas with UV	Serum
TOTAL T3*	1.960	ng/mL	0.850 - 2.020	ECLIA.	
TOTAL T4*	6.800	ug/dL	5.130 - 14.060	ECLIA.	
THYROID STIMULATING HORMONE	2.160	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

**LIPID PROFILE (WITH DIRECT LDL)**

Serum

Sample Type	Fasting				
Cholesterol Total	168.40	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	88.70	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	47.00	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	113.50	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	17.74	mg/dL	< 30	Calculated	
LDL/HDL RATIO	2.41		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	3.58		< 4.50		

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\*\*End Of Report\*\*



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M.D (Path)

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**Clinical Pathology**

ArcoFemi Healthcare Ltd Below 40 Male

**STOOL ROUTINE**

Stool, Urine

**Physical Examination:**

Colour	Brownish		
Consistency	Semi Solid		
Mucus	Absent	Absent	

**Chemical Examination:**

Stool Occult Blood	Negative	Negative	Non-Benzidine Test /Manual/Strip
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**Microscopic Examination**

Pus Cells	Nil	0-5	Microscopy
Red Blood Cell	Nil	/H.P.F.	
Epithelial cell	Nil	/H.P.F.	
Fat Globules	Absent	Absent	
Trophozoites	Absent	Absent	
ova	Absent	Absent	
Cysts	Absent	Absent	
Bacteria	Absent		

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**Clinical Pathology**

ArcoFemi Healthcare Ltd Below 40 Male

**URINE ROUTINE EXAMINATION**

Urine

**Physical Examination:**

Quantity	20 ml			Visual method
Colour	Yellow			Visual method
Appearance:	Clear			Visual method
Reaction	8.0		4.5 - 8.0	Reflectance photometer
Sp. Gravity	1.020		1.015 - 1.030	Reflectance photometer/Enzymatic reaction

**Chemical Examination:**

U.Albumin	Nil			Reflectance photometer/Manual
U.Gluocse	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			

\*\*End Of Report\*\*

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**Haematology**

ArcoFemi Healthcare Ltd Below 40 Male

**CBC WITH ESR**

EDTA Blood

Haemoglobin	14.5	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	42.7	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	4.95	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	86.3	fl	83.0 - 101.0	Calculated	
MCH	29.3	pg	27.0 - 31.0	Calculated	
MCHC	34.0	g/dL	32.0 - 36.0	Calculated	
RDW-CV	13.6	%	11.5 - 14.0	Calculated	
Platelet count	224000	/cumm	150000 - 410000	H.focusing impedance	
Total Leucocyte Count (TLC)	7330.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
<b>Differential Leucocyte Count</b>				Flowcytometry/Microscopic	
Neutrophils	53	%	40 - 70		
Lymphocytes	30	%	22 - 45		
Eosinophils	<b>H 11</b>	%	1 - 4		
Monocytes	06	%	1 - 6		
Basophils	00	%	0 - 1		
Immature Granulocytes	00	%	0 - 2		
<b>Absolute Leucocyte Count</b>					
Absolute Neutrophil Count*	3884.9	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2199	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	<b>H 806.3</b>	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	439.8	/cumm	0 - 800		
Peripheral Smear Study	RBCs are Normochromic & Normocytic.WBCs shows Mild Eosinophilia. Platelets are adequate in number.Malarial Parasites are not seen. No Premature cells are seen.				
Erythrocyte Sedimentation Rate (ESR)	02	mm/hr	0 - 10	Photometric capillary stopped flow kinetic	

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





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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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