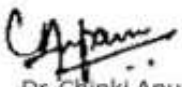


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Visit ID : CMAROPV773690	Status : Final Report
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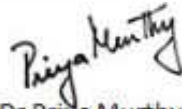
DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	15.6	g/dL	13-17	Spectrophotometer
PCV	45.00	%	40-50	Electronic pulse & Calculation
RBC COUNT	5.03	Million/cu.mm	4.5-5.5	Electrical Impedance
MCV	89.6	fL	83-101	Calculated
MCH	31	pg	27-32	Calculated
MCHC	34.6	g/dL	31.5-34.5	Calculated
R.D.W	12	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	8,590	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)				
NEUTROPHILS	55.7	%	40-80	Electrical Impedance
LYMPHOCYTES	31.7	%	20-40	Electrical Impedance
EOSINOPHILS	5.9	%	1-6	Electrical Impedance
MONOCYTES	6.2	%	2-10	Electrical Impedance
BASOPHILS	0.5	%	<1-2	Electrical Impedance
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	4784.63	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	2723.03	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	506.81	Cells/cu.mm	20-500	Calculated
MONOCYTES	532.58	Cells/cu.mm	200-1000	Calculated
BASOPHILS	42.95	Cells/cu.mm	0-100	Calculated
PLATELET COUNT	296000	cells/cu.mm	150000-410000	Electrical impedance
ERYTHROCYTE SEDIMENTATION RATE (ESR)	9	mm at the end of 1 hour	0-15	Modified Westgren method
PERIPHERAL SMEAR				
RBC NORMOCYTIC NORMOCHROMIC				



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SIN No:BED240033672

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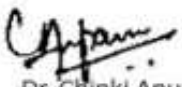
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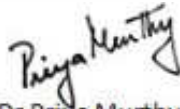
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ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

WBC WITHIN NORMAL LIMITS
PLATELETS ARE ADEQUATE ON SMEAR
NO HEMOPARASITES SEEN
IMPRESSION: NORMOCYTIC NORMOCHROMIC BLOOD PICTURE



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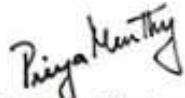
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Test Name	Result	Unit	Bio. Ref. Range	Method
BLOOD GROUP ABO AND RH FACTOR , WHOLE BLOOD EDTA				
BLOOD GROUP TYPE	O			Microplate Hemagglutination
Rh TYPE	Positive			Microplate Hemagglutination



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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, FASTING , NAF PLASMA	97	mg/dL	70-100	HEXOKINASE

Comment:

As per American Diabetes Guidelines, 2023

Fasting Glucose Values in mg/dL	Interpretation
70-100 mg/dL	Normal
100-125 mg/dL	Prediabetes
≥126 mg/dL	Diabetes
<70 mg/dL	Hypoglycemia

Note:

- The diagnosis of Diabetes requires a fasting plasma glucose of > or = 126 mg/dL and/or a random / 2 hr post glucose value of > or = 200 mg/dL on at least 2 occasions.
- Very high glucose levels (>450 mg/dL in adults) may result in Diabetic Ketoacidosis & is considered critical.

Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, POST PRANDIAL (PP), 2 HOURS , SODIUM FLUORIDE PLASMA (2 HR)	142	mg/dL	70-140	HEXOKINASE

Comment:

It is recommended that FBS and PPBS should be interpreted with respect to their Biological reference ranges and not with each other.

Conditions which may lead to lower postprandial glucose levels as compared to fasting glucose levels may be due to reactive hypoglycemia, dietary meal content, duration or timing of sampling after food digestion and absorption, medications such as insulin preparations, sulfonylureas, amylin analogues, or conditions such as overproduction of insulin.

Test Name	Result	Unit	Bio. Ref. Range	Method
HBA1C (GLYCATED HEMOGLOBIN) , WHOLE BLOOD EDTA				



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SIN No:EDT240014869



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HbA1C, GLYCATED HEMOGLOBIN	5.5	%	HPLC
ESTIMATED AVERAGE GLUCOSE (eAG)	111	mg/dL	Calculated

Comment:

Reference Range as per American Diabetes Association (ADA) 2023 Guidelines:

REFERENCE GROUP	HbA1C %
NON DIABETIC	<5.7
PREDIABETES	5.7 – 6.4
DIABETES	≥ 6.5
DIABETICS	
EXCELLENT CONTROL	6 – 7
FAIR TO GOOD CONTROL	7 – 8
UNSATISFACTORY CONTROL	8 – 10
POOR CONTROL	>10

Note: Dietary preparation or fasting is not required.

- HbA1C is recommended by American Diabetes Association for Diagnosing Diabetes and monitoring Glycemic Control by American Diabetes Association guidelines 2023.
- Trends in HbA1C values is a better indicator of Glycemic control than a single test.
- Low HbA1C in Non-Diabetic patients are associated with Anemia (Iron Deficiency/Hemolytic), Liver Disorders, Chronic Kidney Disease. Clinical Correlation is advised in interpretation of low Values.
- Falsely low HbA1c (below 4%) may be observed in patients with clinical conditions that shorten erythrocyte life span or decrease mean erythrocyte age. HbA1c may not accurately reflect glycemic control when clinical conditions that affect erythrocyte survival are present.
- In cases of Interference of Hemoglobin variants in HbA1C, alternative methods (Fructosamine) estimation is recommended for Glycemic Control
 - A: HbF >25%
 - B: Homozygous Hemoglobinopathy.
 (Hb Electrophoresis is recommended method for detection of Hemoglobinopathy)




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ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
LIPID PROFILE , SERUM				
TOTAL CHOLESTEROL	217	mg/dL	<200	CHO-POD
TRIGLYCERIDES	199	mg/dL	<150	GPO-POD
HDL CHOLESTEROL	42	mg/dL	40-60	Enzymatic Immunoinhibition
NON-HDL CHOLESTEROL	175	mg/dL	<130	Calculated
LDL CHOLESTEROL	135.1	mg/dL	<100	Calculated
VLDL CHOLESTEROL	39.8	mg/dL	<30	Calculated
CHOL / HDL RATIO	5.16		0-4.97	Calculated

Comment:

Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

	Desirable	Borderline High	High	Very High
TOTAL CHOLESTEROL	< 200	200 - 239	≥ 240	
TRIGLYCERIDES	<150	150 - 199	200 - 499	≥ 500
LDL	Optimal < 100 Near Optimal 100-129	130 - 159	160 - 189	≥ 190
HDL	≥ 60			
NON-HDL CHOLESTEROL	Optimal <130; Above Optimal 130-159	160-189	190-219	>220

- Measurements in the same patient on different days can show physiological and analytical variations.
- NCEP ATP III identifies non-HDL cholesterol as a secondary target of therapy in persons with high triglycerides.
- Primary prevention algorithm now includes absolute risk estimation and lower LDL Cholesterol target levels to determine eligibility of drug therapy.
- Low HDL levels are associated with Coronary Heart Disease due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
- As per NCEP guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.
- VLDL, LDL Cholesterol Non HDL Cholesterol, CHOL/HDL RATIO, LDL/HDL RATIO are calculated parameters when Triglycerides are below 350mg/dl. When Triglycerides are more than 350 mg/dl LDL cholesterol is a direct measurement.



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ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
LIVER FUNCTION TEST (LFT) , SERUM				
BILIRUBIN, TOTAL	0.77	mg/dL	0.3-1.2	DPD
BILIRUBIN CONJUGATED (DIRECT)	0.13	mg/dL	<0.2	DPD
BILIRUBIN (INDIRECT)	0.64	mg/dL	0.0-1.1	Dual Wavelength
ALANINE AMINOTRANSFERASE (ALT/SGPT)	22	U/L	<50	IFCC
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	21.0	U/L	<50	IFCC
ALKALINE PHOSPHATASE	99.00	U/L	30-120	IFCC
PROTEIN, TOTAL	6.96	g/dL	6.6-8.3	Biuret
ALBUMIN	4.26	g/dL	3.5-5.2	BROMO CRESOL GREEN
GLOBULIN	2.70	g/dL	2.0-3.5	Calculated
A/G RATIO	1.58		0.9-2.0	Calculated

Comment:

LFT results reflect different aspects of the health of the liver, i.e., hepatocyte integrity (AST & ALT), synthesis and secretion of bile (Bilirubin, ALP), cholestasis (ALP, GGT), protein synthesis (Albumin)

Common patterns seen:

1. Hepatocellular Injury:

- AST – Elevated levels can be seen. However, it is not specific to liver and can be raised in cardiac and skeletal injuries.
- ALT – Elevated levels indicate hepatocellular damage. It is considered to be most specific lab test for hepatocellular injury. Values also correlate well with increasing BMI.
- Disproportionate increase in AST, ALT compared with ALP.
- Bilirubin may be elevated.
- AST: ALT (ratio) – In case of hepatocellular injury AST: ALT > 1 In Alcoholic Liver Disease AST: ALT usually >2. This ratio is also seen to be increased in NAFLD, Wilson's's diseases, Cirrhosis, but the increase is usually not >2.

2. Cholestatic Pattern:

- ALP – Disproportionate increase in ALP compared with AST, ALT.
- Bilirubin may be elevated.
- ALP elevation also seen in pregnancy, impacted by age and sex.
- To establish the hepatic origin correlation with GGT helps. If GGT elevated indicates hepatic cause of increased ALP.

3. Synthetic function impairment:

- Albumin- Liver disease reduces albumin levels.
- Correlation with PT (Prothrombin Time) helps.



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Test Name	Result	Unit	Bio. Ref. Range	Method
RENAL PROFILE/KIDNEY FUNCTION TEST (RFT/KFT) , SERUM				
CREATININE	1.05	mg/dL	0.67-1.17	Jaffe's, Method
UREA	33.90	mg/dL	17-43	GLDH, Kinetic Assay
BLOOD UREA NITROGEN	15.8	mg/dL	8.0 - 23.0	Calculated
URIC ACID	6.81	mg/dL	3.5-7.2	Uricase PAP
CALCIUM	9.50	mg/dL	8.8-10.6	Arsenazo III
PHOSPHORUS, INORGANIC	3.20	mg/dL	2.5-4.5	Phosphomolybdate Complex
SODIUM	140	mmol/L	136-146	ISE (Indirect)
POTASSIUM	4.2	mmol/L	3.5-5.1	ISE (Indirect)
CHLORIDE	108	mmol/L	101-109	ISE (Indirect)



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Karnataka- 560034

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Patient Name : Mr.GOUTHAM T	Collected : 10/Feb/2024 09:56AM
Age/Gender : 34 Y 9 M 11 D/M	Received : 10/Feb/2024 02:00PM
UHID/MR No : CMAR.0000340128	Reported : 10/Feb/2024 03:58PM
Visit ID : CMAROPV773690	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : 8291500810	

DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
GAMMA GLUTAMYL TRANSEPTIDASE (GGT) , SERUM	34.00	U/L	<55	IFCC



DR.SHIVARAJA SHETTY
M.B.B.S,M.D(Biochemistry)
CONSULTANT BIOCHEMIST

SIN No:SE04625255



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Patient Name : Mr.GOUTHAM T	Collected : 10/Feb/2024 09:56AM
Age/Gender : 34 Y 9 M 11 D/M	Received : 10/Feb/2024 01:58PM
UHID/MR No : CMAR.0000340128	Reported : 10/Feb/2024 04:02PM
Visit ID : CMAROPV773690	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : 8291500810	

DEPARTMENT OF IMMUNOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
THYROID PROFILE TOTAL (T3, T4, TSH) , SERUM				
TRI-iodothyronine (T3, TOTAL)	1.1	ng/mL	0.7-2.04	CLIA
THYROXINE (T4, TOTAL)	9.10	µg/dL	5.48-14.28	CLIA
THYROID STIMULATING HORMONE (TSH)	1.134	µIU/mL	0.34-5.60	CLIA

Comment:

For pregnant females	Bio Ref Range for TSH in uIU/ml (As per American Thyroid Association)
First trimester	0.1 - 2.5
Second trimester	0.2 – 3.0
Third trimester	0.3 – 3.0

- TSH is a glycoprotein hormone secreted by the anterior pituitary. TSH activates production of T3 (Triiodothyronine) and its prohormone T4 (Thyroxine). Increased blood level of T3 and T4 inhibit production of TSH.
- TSH is elevated in primary hypothyroidism and will be low in primary hyperthyroidism. Elevated or low TSH in the context of normal free thyroxine is often referred to as sub-clinical hypo- or hyperthyroidism respectively.
- Both T4 & T3 provides limited clinical information as both are highly bound to proteins in circulation and reflects mostly inactive hormone. Only a very small fraction of circulating hormone is free and biologically active.
- Significant variations in TSH can occur with circadian rhythm, hormonal status, stress, sleep deprivation, medication & circulating antibodies.

TSH	T3	T4	FT4	Conditions
High	Low	Low	Low	Primary Hypothyroidism, Post Thyroidectomy, Chronic Autoimmune Thyroiditis
High	N	N	N	Subclinical Hypothyroidism, Autoimmune Thyroiditis, Insufficient Hormone Replacement Therapy.
N/Low	Low	Low	Low	Secondary and Tertiary Hypothyroidism
Low	High	High	High	Primary Hyperthyroidism, Goitre, Thyroiditis, Drug effects, Early Pregnancy
Low	N	N	N	Subclinical Hyperthyroidism
Low	Low	Low	Low	Central Hypothyroidism, Treatment with Hyperthyroidism
Low	N	High	High	Thyroiditis, Interfering Antibodies
N/Low	High	N	N	T3 Thyrotoxicosis, Non thyroidal causes




DR.SHIVARAJA SHETTY
M.B.B.S,M.D(Biochemistry)
CONSULTANT BIOCHEMIST

SIN No:SPL24022180

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APOLLO CLINICS NETWORK

Telangana: Hyderabad (AS Rao Nagar | Chanda Nagar | Kondapur | Nallakurta | Nizampet | Manikonda | Uppal) | Andhra Pradesh: Vijay (Seethamma Peta) | Karnataka: Bangalore (Basavanagudi | Bellandur | Electronics City | Fraser Town | HSR Layout | Indira Nagar | JP Nagar | Kuntalahalli | Koramangala | Sarjapur Road) | Mysore (VV Mohalla) | Tamil Nadu: Chennai (Annamalai | Kotturpuram | Mogappair | T.Nagar | Velasarakkum | Velachery) | Maharashtra: Pune (Aundh | Nigdi Pradhikaran | Viman Nagar | Wanowrie) | Uttar Pradesh: Ghaziabad (Indraprastha) | Gujarat: Ahmedabad (Satellite) | Punjab: Amritsar (Court Road) | Haryana: Faridabad (Railway Station Road)

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Patient Name : Mr.GOUTHAM T	Collected : 10/Feb/2024 09:56AM
Age/Gender : 34 Y 9 M 11 D/M	Received : 10/Feb/2024 01:58PM
UHID/MR No : CMAR.0000340128	Reported : 10/Feb/2024 04:02PM
Visit ID : CMAROPV773690	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : 8291500810	

DEPARTMENT OF IMMUNOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

High	High	High	High	Pituitary Adenoma; TSHoma/Thyrotropinoma
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DR.SHIVARAJA SHETTY
M.B.B.S,M.D(Biochemistry)
CONSULTANT BIOCHEMIST

SIN No:SPL24022180



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APOLLO CLINICS NETWORK

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Patient Name : Mr.GOUTHAM T	Collected : 10/Feb/2024 09:56AM
Age/Gender : 34 Y 9 M 11 D/M	Received : 10/Feb/2024 02:49PM
UHID/MR No : CMAR.0000340128	Reported : 10/Feb/2024 04:50PM
Visit ID : CMAROPV773690	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : 8291500810	

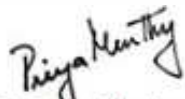
DEPARTMENT OF CLINICAL PATHOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
COMPLETE URINE EXAMINATION (CUE) , URINE				
PHYSICAL EXAMINATION				
COLOUR	PALE YELLOW		PALE YELLOW	Visual
TRANSPARENCY	CLEAR		CLEAR	Visual
pH	5.5		5-7.5	DOUBLE INDICATOR
SP. GRAVITY	1.020		1.002-1.030	Bromothymol Blue
BIOCHEMICAL EXAMINATION				
URINE PROTEIN	NEGATIVE		NEGATIVE	PROTEIN ERROR OF INDICATOR
GLUCOSE	NEGATIVE		NEGATIVE	GLUCOSE OXIDASE
URINE BILIRUBIN	NEGATIVE		NEGATIVE	AZO COUPLING REACTION
URINE KETONES (RANDOM)	NEGATIVE		NEGATIVE	SODIUM NITRO PRUSSIDE
UROBILINOGEN	NORMAL		NORMAL	MODIFIED EHRlich REACTION
BLOOD	NEGATIVE		NEGATIVE	Peroxidase
NITRITE	NEGATIVE		NEGATIVE	Diazotization
LEUCOCYTE ESTERASE	NEGATIVE		NEGATIVE	LEUCOCYTE ESTERASE
CENTRIFUGED SEDIMENT WET MOUNT AND MICROSCOPY				
PUS CELLS	2-3	/hpf	0-5	Microscopy
EPITHELIAL CELLS	1-2	/hpf	<10	MICROSCOPY
RBC	NIL	/hpf	0-2	MICROSCOPY
CASTS	NIL		0-2 Hyaline Cast	MICROSCOPY
CRYSTALS	ABSENT		ABSENT	MICROSCOPY



Dr. Shobha Emmanuel
M.B.B.S., M.D (Pathology)
Consultant Pathologist



Dr. Priya Murthy
M.B.B.S., M.D (Pathology)
Consultant Pathologist



SIN No: UR2279635

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APOLLO CLINICS NETWORK

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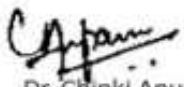
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Patient Name : Mr.GOUTHAM T	Collected : 10/Feb/2024 12:53PM
Age/Gender : 34 Y 9 M 11 D/M	Received : 10/Feb/2024 06:33PM
UHID/MR No : CMAR.0000340128	Reported : 10/Feb/2024 09:50PM
Visit ID : CMAROPV773690	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : 8291500810	

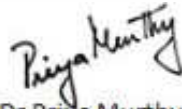
DEPARTMENT OF CLINICAL PATHOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
URINE GLUCOSE(POST PRANDIAL)	NEGATIVE		NEGATIVE	Dipstick



Dr. Chinki Anupam
M.B.B.S.,M.D(Pathology)
Consultant Pathologist



Dr. Priya Murthy
M.B.B.S.,M.D(Pathology)
Consultant Pathologist



SIN No:UPP016528

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Patient Name : Mr.GOUTHAM T	Collected : 10/Feb/2024 09:56AM
Age/Gender : 34 Y 9 M 11 D/M	Received : 10/Feb/2024 01:52PM
UHID/MR No : CMAR.0000340128	Reported : 10/Feb/2024 05:09PM
Visit ID : CMAROPV773690	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : 8291500810	

DEPARTMENT OF CLINICAL PATHOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

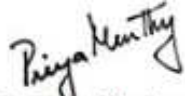
Test Name	Result	Unit	Bio. Ref. Range	Method
URINE GLUCOSE(FASTING)	NEGATIVE		NEGATIVE	Dipstick

*** End Of Report ***

Result/s to Follow:
PERIPHERAL SMEAR



Dr.Shobha Emmanuel
M.B.B.S,M.D(Pathology)
Consultant Pathologist



Dr Priya Murthy
M.B.B.S,M.D(Pathology)
Consultant Pathologist



SIN No:UF010530

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