





Patient Name : Mr.PAWAR RAVIKANTH

Age/Gender : 36 Y 4 M 22 D/M
UHID/MR No : CJPN.0000089969
Visit ID : CJPNOPV202107

Ref Doctor : Dr.SELF Emp/Auth/TPA ID : 22E30121 Collected : 29/Jul/2024 09:49AM Received : 29/Jul/2024 11:53AM

Reported : 29/Jul/2024 01:44PM

Status : Final Report
Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

### **DEPARTMENT OF HAEMATOLOGY**

# ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	15.2	g/dL	13-17	Spectrophotometer
PCV	44.90	%	40-50	Electronic pulse & Calculation
RBC COUNT	5.27	Million/cu.mm	4.5-5.5	Electrical Impedence
MCV	85.1	fL	83-101	Calculated
MCH	28.8	pg	27-32	Calculated
MCHC	33.9	g/dL	31.5-34.5	Calculated
R.D.W	12.4	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	5,650	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (	DLC)			
NEUTROPHILS	50.3	%	40-80	Electrical Impedance
LYMPHOCYTES	41.3	%	20-40	Electrical Impedance
EOSINOPHILS	0.8	%	1-6	Electrical Impedance
MONOCYTES	7.4	%	2-10	Electrical Impedance
BASOPHILS	0.2	%	<1-2	Electrical Impedance
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	2841.95	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	2333.45	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	45.2	Cells/cu.mm	20-500	Calculated
MONOCYTES	418.1	Cells/cu.mm	200-1000	Calculated
BASOPHILS	11.3	Cells/cu.mm	0-100	Calculated
Neutrophil lymphocyte ratio (NLR)	1.22		0.78- 3.53	Calculated
PLATELET COUNT	179000	cells/cu.mm	150000-410000	Electrical impedence
ERYTHROCYTE SEDIMENTATION RATE (ESR)	9	mm/hour	0-15	Capillary photometry
PERIPHERAL SMEAR				

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

SIN No:BED240198676

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RBCs: are normocytic normochromic

WBCs: are normal in total number with normal distribution and morphology.

PLATELETS: appear adequate in number.

HEMOPARASITES: negative

IMPRESSION: NORMOCYTIC NORMOCHROMIC BLOOD PICTURE

Dr. Harshitha Y M.B.B.S.M.D(Pathology) Consultant Pathologist

M.B.B.S, M.D (Pathology) Consultant Pathologist

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#### **DEPARTMENT OF HAEMATOLOGY**

#### ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324

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

Dr. Vidya Aniket Gore M.B.B.S,M.D(Pathology) Consultant Pathologist Dr Priya Murthy M.B.B.S,M.D(Pathology) Consultant Pathologist Page 3 of 15



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#### **DEPARTMENT OF BIOCHEMISTRY**

#### ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, FASTING, NAF PLASMA	95	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:

- 1. 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.
- 2. 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)	108	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.

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

SIN No:PLP1478309

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#### **DEPARTMENT OF BIOCHEMISTRY**

# ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HBA1C (GLYCATED HEMOGLOBIN), WE	IOLE BLOOD EDTA			
HBA1C, GLYCATED HEMOGLOBIN	6.1	%		HPLC
ESTIMATED AVERAGE GLUCOSE (eAG)	128	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.

- 1. HbA1C is recommended by American Diabetes Association for Diagnosing Diabetes and monitoring Glycemic Control by American Diabetes Association guidelines 2023.
- 2. Trends in HbA1C values is a better indicator of Glycemic control than a single test.
- 3. 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.
- 4. 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.
- 5. 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)

Dr.Govinda Raju N L MSc,PhD(Biochemistry) Consultant Biochemistry Dr Priya Murthy M.B.B.S,M.D(Pathology) Consultant Pathologist Page 5 of 15



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#### **DEPARTMENT OF BIOCHEMISTRY**

#### ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
LIPID PROFILE , SERUM				
TOTAL CHOLESTEROL	213	mg/dL	<200	CHO-POD
TRIGLYCERIDES	68	mg/dL	<150	GPO-POD
HDL CHOLESTEROL	50	mg/dL	40-60	Enzymatic Immunoinhibition
NON-HDL CHOLESTEROL	163	mg/dL	<130	Calculated
LDL CHOLESTEROL	149.1	mg/dL	<100	Calculated
VLDL CHOLESTEROL	13.6	mg/dL	<30	Calculated
CHOL / HDL RATIO	4.25		0-4.97	Calculated
ATHEROGENIC INDEX (AIP)	< 0.01		<0.11	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 can show physiological and analytical variations.

NCEP ATP III identifies non-HDL cholesterol as a secondary target of therapy in persons with high triglycerides.

Dr.Govinda Raju N L MSc,PhD(Biochemistry) Consultant Biochemistry Dr Priya Murthy M.B.B.S,M.D(Pathology) Consultant Pathologist Page 6 of 15



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#### **DEPARTMENT OF BIOCHEMISTRY**

Status

# ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
LIVER FUNCTION TEST (LFT) , SERUM				
BILIRUBIN, TOTAL	0.44	mg/dL	0.3–1.2	DPD
BILIRUBIN CONJUGATED (DIRECT)	0.09	mg/dL	<0.2	DPD
BILIRUBIN (INDIRECT)	0.35	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
AST (SGOT) / ALT (SGPT) RATIO (DE RITIS)	1.0		<1.15	Calculated
ALKALINE PHOSPHATASE	82.00	U/L	30-120	IFCC
PROTEIN, TOTAL	7.27	g/dL	6.6-8.3	Biuret
ALBUMIN	4.44	g/dL	3.5-5.2	BROMO CRESOL GREEN
GLOBULIN	2.83	g/dL	2.0-3.5	Calculated
A/G RATIO	1.57		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 \*ALT – Elevated levels indicate hepatocellular damage. It is considered to be most specific lab test for injuries. hepatocellular injury. Values also correlate well with increasing BMI. Disproportionate increase in AST, ALT compared with ALP. AST: ALT (ratio) – In case of hepatocellular injury AST: ALT > 1In Alcoholic Liver Disease AST: ALT usually > 2. This ratio is also seen to be increased in NAFLD, Wilsons's diseases, Cirrhosis, but the increase is usually not >2.

2. Cholestatic Pattern:

\*ALP – Disproportionate increase in ALP compared with AST, ALT, ALP elevation also seen in pregnancy, impacted by age and sex. \*Bilirubin elevated-predominantly direct, To establish the hepatic origin correlation with elevated GGT helps.

3. Synthetic function impairment:

Dr.Govinda Raju N L MSc,PhD(Biochemistry) Consultant Biochemistry M.B.B.S, M.D (Pathology) Consultant Pathologist

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

4. Associated tests for assessment of liver fibrosis - Fibrosis-4 and APRI Index.

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Test Name	Result	Unit	Bio. Ref. Range	Method
RENAL PROFILE/KIDNEY FUNCTION	TEST (RFT/KFT) , SER	RUM		
CREATININE	1.06	mg/dL	0.84 - 1.25	Modified Jaffe, Kinetic
UREA	30.00	mg/dL	17-43	GLDH, Kinetic Assay
BLOOD UREA NITROGEN	14.0	mg/dL	8.0 - 23.0	Calculated
URIC ACID	7.02	mg/dL	3.5–7.2	Uricase PAP
CALCIUM	9.70	mg/dL	8.8-10.6	Arsenazo III
PHOSPHORUS, INORGANIC	3.01	mg/dL	2.5-4.5	Phosphomolybdate Complex
SODIUM	139	mmol/L	136–146	ISE (Indirect)
POTASSIUM	4.1	mmol/L	3.5–5.1	ISE (Indirect)
CHLORIDE	105	mmol/L	101–109	ISE (Indirect)
PROTEIN, TOTAL	7.27	g/dL	6.6-8.3	Biuret
ALBUMIN	4.44	g/dL	3.5-5.2	BROMO CRESOL GREEN
GLOBULIN	2.83	g/dL	2.0-3.5	Calculated
A/G RATIO	1.57		0.9-2.0	Calculated

Dr.Govinda Raju N L MSc,PhD(Biochemistry) Consultant Biochemistry Dr Priva Murthy M.B.B.S,M.D(Pathology) Consultant Pathologist Page 9 of 15



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Test Name	Result	Unit	Bio. Ref. Range	Method
GAMMA GLUTAMYL TRANSPEPTIDASE (GGT) , SERUM	39.00	U/L	<55	IFCC

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

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#### **DEPARTMENT OF IMMUNOLOGY**

#### ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method			
THYROID PROFILE TOTAL (T3, T4, TSH), SERUM							
TRI-IODOTHYRONINE (T3, TOTAL)	1.14	ng/mL	0.7-2.04	CLIA			
THYROXINE (T4, TOTAL)	11.66	μg/dL	5.48-14.28	CLIA			
THYROID STIMULATING HORMONE (TSH)	2.397	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		

- **1.** 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.
- **2.** 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.
- **3.** 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.
- **4.** 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

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M.B.B.S,M.D(Pathology) Consultant Pathologist

SIN No:SPL24125171

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#### **DEPARTMENT OF IMMUNOLOGY**

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Low	N	High	High	Thyroiditis, Interfering Antibodies
N/Low	High	N	N	T3 Thyrotoxicosis, Non thyroidal causes
High	High	High	High	Pituitary Adenoma; TSHoma/Thyrotropinoma

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

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: ARCOFEMI HEALTHCARE LIMITED

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#### **DEPARTMENT OF CLINICAL PATHOLOGY**

### ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324

Pasult

Test Name	Result	Unit	Bio. Ref. Range	Method
COMPLETE URINE EXAMINATION (C	<b>UE)</b> , URINE			
PHYSICAL EXAMINATION				
COLOUR	YELLOW		PALE YELLOW	Physical measuremen
TRANSPARENCY	Clear		CLEAR	Physical measuremen
рН	5.5		5-7.5	Bromothymol Blue
SP. GRAVITY	1.017		1.002-1.030	Dipstick
BIOCHEMICAL EXAMINATION				
URINE PROTEIN	NEGATIVE		NEGATIVE	PROTEIN ERROR OF INDICATOR
GLUCOSE	NORMAL		NEGATIVE	GOD-POD
URINE BILIRUBIN	NEGATIVE		NEGATIVE	AZO COUPLING
URINE KETONES (RANDOM)	NEGATIVE		NEGATIVE	Sodium nitro prusside
UROBILINOGEN	NORMAL		NORMAL (0.1- 1.8mg/dl)	Diazonium salt
NITRITE	NEGATIVE		NEGATIVE	Griess reaction
LEUCOCYTE ESTERASE	NEGATIVE		NEGATIVE	Diazonium salt
CENTRIFUGED SEDIMENT WET MO	OUNT AND MICROSCOP	Υ		
PUS CELLS	0	/hpf	0-5	Automated Image based microscopy
EPITHELIAL CELLS	0	/hpf	< 10	Automated Image Based Microscopy
RBC	0	/hpf	0-2	Automated Image based microscopy
CASTS	NEGATIVE	/lpf	0-2 Hyaline Cast	Automated Image based microscopy
CRYSTALS	NEGATIVE	/hpf	Occasional-Few	Automated Image based microscopy

#### **Comment:**

All urine samples are checked for adequacy and suitability before examination. All abnormal chemical examination are rechecked

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Dr.Harshitha Y

M.B.B.S,M.D(Pathology)

Consultant Pathologist

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



SIN No:UR2395910

This test has been performed at Apollo Health & Lifestyle Ltd, RRL BANGALORE Laboratory

THIS TEST HAS BEEN PERFORMED AT APOLLO HEALTH AND LIFSTYLE LIMITED- RRL BANGALORE









: Mr.PAWAR RAVIKANTH

Age/Gender

: 36 Y 4 M 22 D/M

UHID/MR No

: CJPN.0000089969

Visit ID

: CJPNOPV202107

Ref Doctor Emp/Auth/TPA ID : Dr.SELF : 22E30121 Collected

: 29/Jul/2024 09:48AM

Received

: 29/Jul/2024 01:41PM

Reported

: 29/Jul/2024 02:18PM

Status

: Final Report

Sponsor Name

: ARCOFEMI HEALTHCARE LIMITED

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and verified by manual methods.

Microscopy findings are reported as an average of 10 high power fields.

Dr.Harshitha Y M.B.B.S,M.D(Pathology) Consultant Pathologist Dr Priva Murthy
M.B.B.S,M.D(Pathology)
Consultant Pathologist

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Age/Gender

: 36 Y 4 M 22 D/M

UHID/MR No

: CJPN.0000089969

Visit ID

: CJPNOPV202107

Ref Doctor Emp/Auth/TPA ID : Dr.SELF : 22E30121 Collected

: 29/Jul/2024 12:47PM

Received

: 29/Jul/2024 04:51PM

Reported

: 29/Jul/2024 06:10PM

Status

: Final Report

Sponsor Name

: ARCOFEMI HEALTHCARE LIMITED

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### ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324

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

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

Result/s to Follow:

GLUCOSE (FASTING) - URINE, PERIPHERAL SMEAR

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

SIN No:UPP017786

 ${\tt THE} \textbf{\textit{This} tests has sheep performed at Appetho-MicroHorneed Livings tyles Letaly BLREBANGALORE\ Laboratory$ 

Patient Name : Mr. PAWAR RAVIKANTH Age : 36 Y/M

UHID : CJPN.0000089969 OP Visit No : CJPNOPV202107

Conducted By: : Conducted Date :

Referred By : SELF

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Conducted By : Conducted Date :

Referred By : SELF