



12, C.P. Ramaswamy Road, Alwarpet, Chennai - 600 018 Ph. No.: 044 2467 2200 Fax: 044 2467 2211 www.apollospectra.com

Patient Name

: Mr.DEBASIS SRI MANAS KUMAR BARIK

Age/Gender

: 53 Y 6 M 13 D/M

UHID/MR No

: SALW.0000136885

Visit ID Ref Doctor : SALWOPV204581

Emp/Auth/TPA ID

: Dr.SELF : 336267

Collected

: 25/Jan/2024 09:13AM

Received

: 25/Jan/2024 10:00AM

Reported

: 25/Jan/2024 11:07AM

Status

: Final Report

Sponsor Name

: ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF HAEMATOLOGY

PERIPHERAL SMEAR, WHOLE BLOOD EDTA

METHODLOGY: MICROSCOPIC

RBC : Predominantly Normocytic Normochromic RBCS.

WBC

: Normal in count and distribution. No abnormal cells seen.

PLATELET

: Adequate on smear.

PARASITES: No haemoparasites seen.

COMMENTS: Kindly correlate clinically.

Page 1 of 16



CONSULTANT PATHOLOGIST SIN No:BED240017987

M.D., D.N.B.

DR. CHIDAMBHARAM C





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DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS ABOVE 50Y MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HEMOGRAM, WHOLE BLOOD EDTA				
HAEMOGLOBIN	13.6	g/dL	13-17	Spectrophotometer
PCV	43.60	%	40-50	Electronic pulse & Calculation
RBC COUNT	5.14	Million/cu.mm	4.5-5.5	Electrical Impedence
MCV	85	fL	83-101	Calculated
MCH	26.5	pg	27-32	Calculated
MCHC	31.3	g/dL	31.5-34.5	Calculated
R.D.W	13	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	4,900	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)			
NEUTROPHILS	58	%	40-80	Electrical Impedance
LYMPHOCYTES	34	%	20-40	Electrical Impedance
EOSINOPHILS	02	%	1-6	Electrical Impedance
MONOCYTES	06	%	2-10	Electrical Impedance
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	2842	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	1666	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	98	Cells/cu.mm	20-500	Calculated
MONOCYTES	294	Cells/cu.mm	200-1000	Calculated
PLATELET COUNT	254000	cells/cu.mm	150000-410000	Electrical impedence
ERYTHROCYTE SEDIMENTATION RATE (ESR)	22	mm at the end of 1 hour	0-15	Modified Westergren
PERIPHERAL SMEAR				

DR. CHIDAMBHARAM C M.D., D.N.B. CONSULTANT PATHOLOGIST

SIN No:BED240017987

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Collected Received : 25/Jan/2024 09:13AM

Reported

: 25/Jan/2024 12:31PM

Status

: 25/Jan/2024 06:48PM

: Final Report

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DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS ABOVE 50Y MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
BLOOD GROUP ABO AND RH FAC	TOR , WHOLE BLOOD EDTA	Ì		
BLOOD GROUP TYPE	В	8		Microplate Hemagglutination
Rh TYPE	Positive			Microplate Hemagglutination

PLEASE NOTE THIS SAMPLE HAS BEEN TESTED ONLY FOR ABO MAJOR GROUPING AND ANTI D ONLY

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

SIN No:HA06386211

This test has been performed at Apollo Health and Lifestyle Ltd - Chennai, Diagnostics Laboratory.



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: Dr.SELF : 336267 Collected

: 25/Jan/2024 11:52AM

Received

: 25/Jan/2024 01:04PM

Reported

: 25/Jan/2024 01:21PM

Status

: Final Report

Sponsor Name

: ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS ABOVE 50Y MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, FASTING , NAF PLASMA	144	mg/dL	70-100	GOD - POD

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)	212	mg/dL	70-140	GOD - POD

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. CHIDAMBHARAM C M.D., D.N.B. CONSULTANT PATHOLOGIST

SIN No:PLP1411316





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: 25/Jan/2024 09:13AM

Received

: 25/Jan/2024 12:30PM

Reported

: 25/Jan/2024 01:17PM

Status

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: ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS ABOVE 50Y MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HBA1C (GLYCATED HEMOGLOBIN),	WHOLE BLOOD EDTA			
HBA1C, GLYCATED HEMOGLOBIN	7.6	%		HPLC
ESTIMATED AVERAGE GLUCOSE (eAG)	171	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)

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M.D.(Biochemistry)

SIN No:EDT240007525

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(Formerly Known as Nova Specialty Hospitals Private Limited)





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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS ABOVE 50Y MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
LIPID PROFILE , SERUM	1			
TOTAL CHOLESTEROL	276	mg/dL	<200	CHE/CHO/POD
TRIGLYCERIDES	229	mg/dL	<150	
HDL CHOLESTEROL	62	mg/dL	>40	CHE/CHO/POD
NON-HDL CHOLESTEROL	214	mg/dL	<130	Calculated
LDL CHOLESTEROL	168.2	mg/dL	<100	Calculated
VLDL CHOLESTEROL	45.8	mg/dL	<30	Calculated
CHOL / HDL RATIO	4.45		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

- 1. Measurements in the same patient on different days can show physiological and analytical variations.
- 2. NCEP ATP III identifies non-HDL cholesterol as a secondary target of therapy in persons with high triglycerides.
- 3. Primary prevention algorithm now includes absolute risk estimation and lower LDL Cholesterol target levels to determine eligibility of drug therapy.
- 4. 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.
- 5. 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.
- 6. 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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DR. CHIDAMBHARAM C M.D., D.N.B. CONSULTANT PATHOLOGIST

SIN No:SE04608935





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ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS ABOVE 50Y MALE - 2D ECHO - PAN INDIA - FY2324

DR. CHIDAMBHARAM C M.D., D.N.B. CONSULTANT PATHOLOGIST

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ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS ABOVE 50Y MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
LIVER FUNCTION TEST (LFT) , SERUM				
BILIRUBIN, TOTAL	0.90	mg/dL	0.1-1.2	Azobilirubin
BILIRUBIN CONJUGATED (DIRECT)	0.20	mg/dL	0.1-0.4	DIAZO DYE
BILIRUBIN (INDIRECT)	0.70	mg/dL	0.0-1.1	Dual Wavelength
ALANINE AMINOTRANSFERASE (ALT/SGPT)	24	U/L	4-44	JSCC
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	23.0	U/L	8-38	JSCC
ALKALINE PHOSPHATASE	101.00	U/L	32-111	IFCC
PROTEIN, TOTAL	7.30	g/dL	6.7-8.3	BIURET
ALBUMIN	5.00	g/dL	3.8-5.0	BROMOCRESOL GREEN
GLOBULIN	2.30	g/dL	2.0-3.5	Calculated
A/G RATIO	2.17		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 > 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.
- Bilirubin may be elevated.

C. Chidanohoan DR. CHIDAMBHARAM C

• ALP elevation also seen in pregnancy, impacted by age and sex.

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CONSULTANT PATHOLOGIST

SIN No:SE04608935

M.D., D.N.B.





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- 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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M.D., D.N.B.

DR. CHIDAMBHARAM C

CONSULTANT PATHOLOGIST

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Test Name	Result	Unit	Bio. Ref. Range	Method				
RENAL PROFILE/KIDNEY FUNCTION TEST (RFT/KFT), SERUM								
CREATININE	0.64	mg/dL	0.6-1.1	ENZYMATIC METHOD				
UREA	16.48	mg/dL	17-48	Urease				
BLOOD UREA NITROGEN	7.7	mg/dL	8.0 - 23.0	Calculated				
URIC ACID	5.70	mg/dL	4.0-7.0	URICASE				
CALCIUM	9.30	mg/dL	8.4-10.2	CPC				
PHOSPHORUS, INORGANIC	3.70	mg/dL	2.6-4.4	PNP-XOD				
SODIUM	141	mmol/L	135-145	Direct ISE				
POTASSIUM	5.1	mmol/L	3.5-5.1	Direct ISE				
CHLORIDE	98	mmol/L	98 - 107	Direct ISE				

DR. CHIDAMBHARAM C M.D., D.N.B. CONSULTANT PATHOLOGIST

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Test Name	Result	Unit	Bio. Ref. Range	Method
GAMMA GLUTAMYL TRANSPEPTIDASE (GGT) , SERUM	17.00	U/L	16-73	Glycylglycine Kinetic method

M.D., D.N.B. CONSULTANT PATHOLOGIST

DR. CHIDAMBHARAM C

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DEPARTMENT OF IMMUNOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS ABOVE 50Y 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)	1.21	ng/mL	0.7-2.04	CLIA		
THYROXINE (T4, TOTAL)	9.48	µg/dL	5.48-14.28	CLIA		
THYROID STIMULATING HORMONE (TSH)	4.614	μIU/mL	0.34-5.60	CLIA		

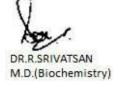
Comment:

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	Т3	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

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SIN No:SPL24011748

This test has been performed at Apollo Health and Lifestyle Ltd - Chennai, Diagnostics Laboratory.

APOLLO SPECIALTY HOSPITALS PRIVATE LIMITED

(Formerly Known as Nova Specialty Hospitals Private Limited)

CIN: U85100TG2009PTC099414

Registered Office:No.7-1-617A,615&616, Imperial Towers, 7th Floor, Opp.Ameerpet Metro Station Ameerpet, Hyderabad, Telangana-500 038.





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High High Pituitary Adenoma; TSHoma/Thyrotropinoma

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DR.R.SRIVATSAN M.D.(Biochemistry)

SIN No:SPL24011748

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(Formerly Known as Nova Specialty Hospitals Private Limited) CIN: U85100TG2009PTC099414

Registered Office:No.7-1-617A,615&616, Imperial Towers, 7th Floor, Opp.Ameerpet Metro Station Ameerpet, Hyderabad, Telangana-500 038.





12, C.P. Ramaswamy Road, Alwarpet, Chennai - 600 018 Ph. No.: 044 2467 2200 Fax: 044 2467 2211

www.apollospectra.com

Patient Name

: Mr.DEBASIS SRI MANAS KUMAR BARIK

Age/Gender

: 53 Y 6 M 13 D/M

UHID/MR No

: SALW.0000136885

Ref Doctor

Visit ID

: SALWOPV204581

Emp/Auth/TPA ID : 336267

: Dr.SELF

Status

Collected

Received

Reported

: 25/Jan/2024 12:46PM : 25/Jan/2024 01:21PM

: 25/Jan/2024 09:13AM

: Final Report

Sponsor Name

: ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF IMMUNOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS ABOVE 50Y MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
TOTAL PROSTATIC SPECIFIC ANTIGEN (tPSA), SERUM	0.590	ng/mL	0-4	CLIA

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M.D.(Biochemistry)

DR.R.SRIVATSAN

SIN No:SPL24011748

This test has been performed at Apollo Health and Lifestyle Ltd - Chennai, Diagnostics Laboratory.

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Collected

: 25/Jan/2024 09:13AM

Received

: 25/Jan/2024 01:41PM

Reported

: 25/Jan/2024 01:56PM

Status

: Final Report

Sponsor Name

: ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF CLINICAL PATHOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS ABOVE 50Y MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
COMPLETE URINE EXAMINATION (CUE) , URINE			<u>'</u>
PHYSICAL EXAMINATION				
COLOUR	PALE YELLOW	* **	PALE YELLOW	Visual
TRANSPARENCY	CLEAR		CLEAR	Visual
рН	6.5	16	5-7.5	Bromothymol Blue
SP. GRAVITY	1.015		1.002-1.030	Dipstick
BIOCHEMICAL EXAMINATION	· · · · · · · · · · · · · · · · · · ·			
URINE PROTEIN	NEGATIVE		NEGATIVE	PROTEIN ERROR OF INDICATOR
GLUCOSE	NEGATIVE		NEGATIVE	GOD-POD
URINE BILIRUBIN	NEGATIVE	1100	NEGATIVE	AZO COUPLING
URINE KETONES (RANDOM)	NEGATIVE		NEGATIVE	NITROPRUSSIDE
UROBILINOGEN	NEGATIVE		NORMAL	EHRLICH
BLOOD	NEGATIVE		NEGATIVE	Dipstick
NITRITE	NEGATIVE		NEGATIVE	Dipstick
LEUCOCYTE ESTERASE	NEGATIVE		NEGATIVE	PYRROLE HYDROLYSIS
CENTRIFUGED SEDIMENT WET M	OUNT AND MICROSCOPY	1		
PUS CELLS	3-5	/hpf	0-5	Microscopy
EPITHELIAL CELLS	2-4	/hpf	<10	MICROSCOPY
RBC	ABSENT	/hpf	0-2	MICROSCOPY
CASTS	ABSENT		0-2 Hyaline Cast	MICROSCOPY
CRYSTALS	ABSENT		ABSENT	MICROSCOPY

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CONSULTANT PATHOLOGIST SIN No:UR2268006

C. Chidambhoo DR. CHIDAMBHARAM C

M.D., D.N.B.





12, C.P. Ramaswamy Road, Alwarpet, Chennai - 600 018 Ph. No.: 044 2467 2200 Fax: 044 2467 2211

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Patient Name

: Mr.DEBASIS SRI MANAS KUMAR BARIK

Age/Gender

: 53 Y 6 M 13 D/M

UHID/MR No

: SALW.0000136885

Visit ID Ref Doctor : SALWOPV204581

Emp/Auth/TPA ID

: Dr.SELF

: 336267

Collected

: 25/Jan/2024 09:13AM

Received

: 25/Jan/2024 01:41PM

Reported

: 25/Jan/2024 01:44PM

Status

: Final Report

Sponsor Name

: ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF CLINICAL PATHOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS ABOVE 50Y MALE - 2D ECHO - PAN INDIA - FY2324

lest Name	Result	Unit	Bio. Ref. Range	Method
URINE GLUCOSE(POST PRANDIAL)	POSITIVE (TRACE)		NEGATIVE	Dipstick
Test Name	Result	Unit	Bio. Ref. Range	Method
		I .	1	

*** End Of Report ***

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DR. CHIDAMBHARAM C M.D., D.N.B. CONSULTANT PATHOLOGIST

SIN No:UF010280