

PATIENT NAME : SAURABH KUMAR REF. DOCTOR : SELF CODE/NAME & ADDRESS : C000138376 ACCESSION NO : 0062WL000006 AGE/SEX :40 Years Male ARCOFEMI HEALTHCARE LTD (MEDIWHEEL PATIENT ID DRAWN : SAURM13118362 : F-703, LADO SARAI, MEHRAULISOUTH WEST CLIENT PATIENT ID: RECEIVED : 01/12/2023 08:19:04 DELHI ABHA NO REPORTED :02/12/2023 20:25:52 : NEW DELHI 110030 8800465156 **Test Report Status** Results Biological Reference Interval Units

MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

<u>Final</u>

XRAY-CHEST

»»	BOTH THE LUNG FIELDS ARE CLEAR
»»	BOTH THE COSTOPHRENIC AND CARIOPHRENIC ANGELS ARE CLEAR
»»	BOTH THE HILA ARE NORMAL
»»	CARDIAC AND AORTIC SHADOWS APPEAR NORMAL
»»	BOTH THE DOMES OF THE DIAPHRAM ARE NORMAL
»»	VISUALIZED BONY THORAX IS NORMAL
IMPRESSION	NORMAL

ECG

ECG

T - INVERSION IN INFERIOR LEADS. ADV - 2DECHO

MEDICAL HISTORY

RELEVANT PRESENT HISTORY	HTN - 2 MONTHS
RELEVANT PAST HISTORY	RENAL CALCULI (LT- OPTD)
RELEVANT PERSONAL HISTORY	MARRIED, 2 CHILDREN, VEG.
RELEVANT FAMILY HISTORY	NOT SIGNIFICANT
OCCUPATIONAL HISTORY	OPERATIONS / BANKING
HISTORY OF MEDICATIONS	NOT SIGNIFICANT

1.78

99.20

31

ANTHROPOMETRIC DATA & BMI

HEIGHT IN METERS WEIGHT IN KGS. BMI

mts Kgs BMI & Weight Status as follows/sqmts Below 18.5: Underweight 18.5 - 24.9: Normal 25.0 - 29.9: Overweight 30.0 and Above: Obese

K. I. Prejupati

Dr. Kamlesh I Prajapati **Consultant Pathologist**

PERFORMED AT : Agilus Diagnostics Ltd. Plot No.160, Pocket D-11 Sector 8, Rohini

New Delhi, 110085 New Delhi, India Tel : 9111591115, Fax : CIN - U74899PB1995PLC045956











PATIENT NAME : SAURABH KUMAR	REF. DOCTOR :	SELF
CODE/NAME & ADDRESS : C000138376 ARCOFEMI HEALTHCARE LTD (MEDIWHEEL F-703, LADO SARAI, MEHRAULISOUTH WEST	ACCESSION NO : 0062WL000006 PATIENT ID : SAURM13118362	AGE/SEX :40 Years Male DRAWN :
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GENERAL EXAMINATION

MENTAL / EMOTIONAL STATE	NORMAL
PHYSICAL ATTITUDE	NORMAL
GENERAL APPEARANCE / NUTRITIONAL STATUS	HEALTHY
BUILT / SKELETAL FRAMEWORK	AVERAGE
FACIAL APPEARANCE	NORMAL
SKIN	NORMAL
UPPER LIMB	NORMAL
LOWER LIMB	NORMAL
NECK	NORMAL
NECK LYMPHATICS / SALIVARY GLANDS	NOT ENLARGED OR TENDER
THYROID GLAND	NOT ENLARGED
CAROTID PULSATION	NORMAL
BREAST (FOR FEMALES)	NORMAL
TEMPERATURE	NORMAL
PULSE	74/MINUTE REGULAR, ALL PERIPHERAL PULSES WELL FELT, NO CAROTID BRUIT
RESPIRATORY RATE	NORMAL

CARDIOVASCULAR SYSTEM

ΒP

PERICARDIUM APEX BEAT HEART SOUNDS MURMURS 120/81 MM HG (SITTING) NORMAL NORMAL S1, S2 HEARD NORMALLY ABSENT mm/Hg

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Biological Reference Interval Units

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RESPIRATORY SYSTEM

Test Report Status

SIZE AND SHAPE OF CHEST	NORMAL
MOVEMENTS OF CHEST	SYMMETRICAL
BREATH SOUNDS INTENSITY	NORMAL
BREATH SOUNDS QUALITY	VESICULAR (NORMAL)
ADDED SOUNDS	ABSENT

<u>Final</u>

PER ABDOMEN

APPEARANCE	NORMAL
VENOUS PROMINENCE	ABSENT
LIVER	NOT PALPABLE
SPLEEN	NOT PALPABLE
HERNIA	ABSENT
ANY OTHER COMMENTS	?

CENTRAL NERVOUS SYSTEM

HIGHER FUNCTIONS	NORMAL
CRANIAL NERVES	NORMAL
CEREBELLAR FUNCTIONS	NORMAL
SENSORY SYSTEM	NORMAL
MOTOR SYSTEM	NORMAL
REFLEXES	NORMAL

MUSCULOSKELETAL SYSTEM

SPINE			
JOINTS			

NORMAL NORMAL

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Biological Reference Interval

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BASIC EYE EXAMINATION

CONJUNCTIVA	NORMAL
EYELIDS	NORMAL
EYE MOVEMENTS	NORMAL
CORNEA	NORMAL
DISTANT VISION RIGHT EYE WITHOUT	6/6
GLASSES	
DISTANT VISION LEFT EYE WITHOUT	6/6
GLASSES	
NEAR VISION RIGHT EYE WITHOUT GLASSES	N/6
NEAR VISION LEFT EYE WITHOUT GLASSES	N/6
COLOUR VISION	NORMAL

<u>Final</u>

BASIC ENT EXAMINATION

EXTERNAL EAR CANAL	NORMAL
TYMPANIC MEMBRANE	NORMAL
NOSE	NO ABNORMALITY DETECTED
SINUSES	NORMAL
THROAT	NORMAL
TONSILS	NOT ENLARGED

BASIC DENTAL EXAMINATION

TEETH GUMS ANY OTHER COMMENTS NORMAL HEALTHY NIL

SUMMARY RELEVANT HISTORY RELEVANT GP EXAMINATION FINDINGS

NOT SIGNIFICANT

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RELEVANT LAB INVESTIGATIONS RELEVANT NON PATHOLOGY DIAGNOSTICS WITHIN NORMAL LIMITS ECG - T INV IN INF LEADS USG ABD - 1-2 CONCRETIONS BOTH

RELEVANT NON PATHOLOGY DIAGNOSTICS	ECG - T INV IN INF LEADS USG ABD - 1-2 CONCRETIONS BOTH KIDNEYS
REMARKS / RECOMMENDATIONS	CURTAIL WEIGHT CARDIOLOGIST, SURGICAL SPL. CONSULTATION

FITNESS STATUS

FITNESS STATUS

FIT (WITH MEDICAL ADVICE) (AS PER REQUESTED PANEL OF TESTS)

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MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE ULTRASOUND ABDOMEN ULTRASOUND ABDOMEN

ULTRASOUND WHOLE ABDOMEN

Liver is enlarged in size (164mm) and shows grade I fatty changes. No obvious focal parenchymal lesion/biliary dilatation is seen. Hepatic veins and portal venous radicals are normal.

Gall bladder well distended and reveals an echo-free lumen. No wall edema is seen.

No evidence of any calculus, mass lesion or any other abnormality is seen in gall bladder.

Common bile duct is not dilated. Portal vein is normal in course and caliber.

Pancreas

Pancreas is normal in size, outline and echotexture. No evidence of any focal lesion or calcification is seen. Pancreatic duct is not dilated.

Spleen

Spleen is normal in size, outline and echotexture .No focal lesion/ calcification is seen.

Kidneys

Both kidneys are normal in size, outline and echotexture. Corticomedullary differentiation is well maintained. Parenchymal thickness is normal. **There is suggestion of 1-2 concretion in both kidneys.** No hydronephrosis is seen.

No significant retroperitoneal lymphadenopathy/ascites is seen.

Urinary Bladder

Urinary bladder is well distended with normal outline.

Prostate

Prostate is normal in size.

Correlate clinically

TMT OR ECHO

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Units

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Results

CLINICAL PROFILE

Final

Test Report Status

NEGATIVE

Interpretation(s) MEDICAL

HISTORY-*** THIS REPORT CARRIES THE SIGNATURE OF OUR LABORATORY DIRECTOR. THIS IS AN INVIOLABLE FEATURE OF OUR LAB MANAGEMENT SOFTWARE. HOWEVER, ALL EXAMINATIONS AND INVESTIGATIONS HAVE BEEN CONDUCTED BY OUR PANEL OF DOCTORS.

FITNESS STATUS-Conclusion on an individual's Fitness, which is commented upon mainly for Pre employment cases, is based on multi factorial findings and does not depend on any one single parameter. The final Fitness assigned to a candidate will depend on the Physician's findings and overall judgement on a case to case basis, details of the candidate's past and personal history as well as the comprehensiveness of the diagnostic panel which has been requested for .These are then further correlated with details of the job under consideration to eventually fit the right man to the right job.

Basis the above, Agilus diagnostic classifies a candidate's Fitness Status into one of the following categories: • Fit (As per requested panel of tests) – AGILUS Limited gives the individual a clean chit to join the organization, on the basis of the General Physical Examination and the

Fit (with medical advice) (As per requested panel of tests) - This indicates that although the candidate can be declared as FIT to join the job, minimal problems have been detected during the Pre- employment examination. Examples of conditions which could fall in this category could be cases of mild reversible medical abnormalities such as height weight disproportions, borderline raised Blood Pressure readings, mildly raised Blood sugar and Blood Lipid levels, Hematuria, etc. Most of these relate to sedentary lifestyles and come under the broad category of life style disorders. The idea is to caution an individual to bring about certain lifestyle changes as well as seek a Physician"""s consultation and counseling in order to bring back to normal the mildly deranged parameters. For all purposes the individual is FIT to join the job.

• Fitness on Hold (Temporary Unfit) (As per requested panel of tests) - Candidate's reports are kept on hold when either the diagnostic tests or the physical findings reveal the presence of a medical condition which warrants further tests, counseling and/or specialist opinion, on the basis of which a candidate can either be placed into Fit, Fit (With Medical Advice), or Unfit category. Conditions which may fall into this category could be high blood pressure, abnormal ECG, heart murmurs, abnormal vision, grossly elevated blood sugars, etc.

• Unfit (As per requested panel of tests) - An unfit report by Agilus diagnostic Limited clearly indicates that the individual is not suitable for the respective job profile e.g. total color blindness in color related jobs.

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Test Report Status <u>Final</u>	Results Biologic	al Reference Interval Units	

HAEMATOLOGY - CBC			
MEDI WHEEL FULL BODY HEALTH CHECK UP BE	LOW 40 MALE		
BLOOD COUNTS, EDTA WHOLE BLOOD			
HEMOGLOBIN (HB)	15.2	13.0 - 17.0	g/dL
	4.38 Low		mil/ul
RED BLOOD CELL (RBC) COUNT METHOD : IMPEDANCE	4.38 LOW	4.5 - 5.5	mil/µL
WHITE BLOOD CELL (WBC) COUNT	6.20	4.0 - 10.0	thou/µL
METHOD : IMPEDANCE			
PLATELET COUNT	260	150 - 410	thou/µL
METHOD : IMPEDANCE			
RBC AND PLATELET INDICES			
HEMATOCRIT (PCV)	46.5	40 - 50	%
METHOD : CALCULATED MEAN CORPUSCULAR VOLUME (MCV)	106.0 High	83 - 101	fL
METHOD : CELL COUNTER	100.0 mgn	85 - 101	1L
MEAN CORPUSCULAR HEMOGLOBIN (MCH)	34.7 High	27.0 - 32.0	pg
METHOD : CALCULATED PARAMETER			
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC)	32.7	31.5 - 34.5	g/dL
	11 7	11 6 14 0	0/
RED CELL DISTRIBUTION WIDTH (RDW) METHOD : CALCULATED	11.7	11.6 - 14.0	%
MENTZER INDEX	24.2		
METHOD : CALCULATED PARAMETER			
MEAN PLATELET VOLUME (MPV)	8.7	6.8 - 10.9	fL
METHOD : CALCULATED PARAMETER			
WBC DIFFERENTIAL COUNT			
NEUTROPHILS	48	40 - 80	%

20 - 40

WDC DIFFERENTIAL COUNT	
NEUTROPHILS	48
METHOD : IMPEDANCE / MICROSCOPY	
LYMPHOCYTES	40

METHOD : IMPEDANCE	/ MICROSCOPY		

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%







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MONOCYTES	6	2 - 10	%
METHOD : IMPEDANCE / MICROSCOPY			
EOSINOPHILS	6	1 - 6	%
METHOD : IMPEDANCE / MICROSCOPY			
BASOPHILS	0	0 - 2	%
METHOD : MICROSCOPIC EXAMINATION			
ABSOLUTE NEUTROPHIL COUNT	2.98	2.0 - 7.0	thou/µL
METHOD : CALCULATED PARAMETER			
ABSOLUTE LYMPHOCYTE COUNT	2.48	1.0 - 3.0	thou/µL
METHOD : CALCULATED PARAMETER			
ABSOLUTE MONOCYTE COUNT	0.37	0.2 - 1.0	thou/µL
METHOD : CALCULATED PARAMETER			
ABSOLUTE EOSINOPHIL COUNT	0.37	0.02 - 0.50	thou/µL
METHOD : CALCULATED PARAMETER			
ABSOLUTE BASOPHIL COUNT	0 Low	0.02 - 0.10	thou/µL
METHOD : CALCULATED PARAMETER			
NEUTROPHIL LYMPHOCYTE RATIO (NLR)	1.1		
METHOD : CALCULATED PARAMETER			

Interpretation(s) BLOOD COUNTS,EDTA WHOLE BLOOD-The cell morphology is well preserved for 24hrs. However after 24-48 hrs a progressive increase in MCV and HCT is observed leading to a decrease in MCHC. A direct smear is recommended for an accurate differential count and for examination of RBC morphology. RBC AND PLATELET INDICES-Mentzer index (MCV/RBC) is an automated cell-counter based calculated screen tool to differentiate cases of Iron deficiency anaemia(>13) from Beta thalassaemia trait

(<13) in patients with microcytic anaemia. This needs to be interpreted in line with clinical correlation and suspicion. Estimation of HbA2 remains the gold standard for

diagnosing a case of beta thalassaemia trait. WBC DIFFERENTIAL COUNT-The optimal threshold of 3.3 for NLR showed a prognostic possibility of clinical symptoms to change from mild to severe in COVID positive

patients. When age = 49.5 years old and NLR = 3.3, 46.1% COVID-19 patients with mild disease might become severe. By contrast, when age < 49.5 years old and NLR < 3.3, COVID-19 patients tend to show mild disease. (Reference to - The diagnostic and predictive role of NLR, d-NLR and PLR in COVID-19 patients A.-P. Yang, et al. International Immunopharmacology 84 (2020) 106504

This ratio element is a calculated parameter and out of NABL scope.

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Results

Biological Reference Interval Units

HAEMATOLOGY MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE				
ERYTHROCYTE SEDIMENTATION RATE (ESR BLOOD),EDTA			
E.S.R METHOD : WESTERGREN METHOD	05	0 - 14	mm at 1 hr	
GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD				
HBA1C	5.3	Non-diabetic: < 5.7 Pre-diabetics: 5.7 - 6.4 Diabetics: > or = 6.5 Therapeutic goals: < 7.0 Action suggested : > 8.0 (ADA Guideline 2021)	%	
METHOD : HPLC ESTIMATED AVERAGE GLUCOSE(EAG)	105.4	< 116.0	mg/dL	

Interpretation(s) ERYTHROCYTE SEDIMENTATION RATE (ESR),EDTA BLOOD-TEST DESCRIPTION :-

(sedimentation) of erythrocytes in a sample of blood that has been placed into a tall, thin, vertical tube. Results are reported as the millimetres of clear fluid (plasma) that are present at the top portion of the tube after one hour. Nowadays fully automated instruments are available to measure ESR.

ESR is not diagnostic it is a non-specific test that may be elevated in a number of different conditions. It provides general information about the presence of an inflammator condition.CRP is superior to ESR because it is more sensitive and reflects a more rapid change. TEST INTERPRETATION

Increase in: Infections, Vasculities, Inflammatory arthritis, Renal disease, Anemia, Malignancies and plasma cell dyscrasias, Acute allergy Tissue injury, Pregnancy, Estrogen medication, Aging.

Finding a very accelerated ESR(>100 mm/hour) in patients with ill-defined symptoms directs the physician to search for a systemic disease (Paraproteinemias, Disseminated malignancies, connective tissue disease, severe infections such as bacterial endocarditis). In pregnancy BRI in first trimester is 0-48 mm/hr(62 if anemic) and in second trimester (0-70 mm /hr(95 if anemic). ESR returns to normal 4th week post partum.

Decreased in: Polycythermia vera, Sickle cell anemia

LIMITATIONS

False elevated ESR : Increased fibrinogen, Drugs(Vitamin A, Dextran etc), Hypercholesterolemia False Decreased : Poikilocytosis, (SickleCells, spherocytes), Microcytosis, Low fibrinogen, Very high WBC counts, Drugs(Quinine,

salicylates)

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REFERENCE :

1. Nathan and Oski's Haematology of Infancy and Childhood, 5th edition 2. Paediatric reference intervals. AACC Press, 7th edition. Edited by S. Soldin 3. The reference for the adult reference range is "Practical Haematology by Dacie and Lewis,10th edition. GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD-**Used For**:

1. Evaluating the long-term control of blood glucose concentrations in diabetic patients.

2. Diagnosing diabetes.

Identifying patients at increased risk for diabetes (prediabetes).

The ADA recommends measurement of HbA1c (typically 3-4 times per year for type 1 and poorly controlled type 2 diabetic patients, and 2 times per year for well-controlled type 2 diabetic patients) to determine whether a patients metabolic control has remained continuously within the target range. 1. eAG (Estimated average glucose) converts percentage HbA1c to md/dl, to compare blood glucose levels.

2. eAG gives an evaluation of blood glucose levels for the last couple of months. 3. eAG is calculated as eAG (mg/dl) = 28.7 * HbA1c - 46.7

HbA1c Estimation can get affected due to : 1. Shortened Erythrocyte survival : Any condition that shortens erythrocyte survival or decreases mean erythrocyte age (e.g. recovery from acute blood loss, hemolytic anemia) will falsely lower HbA1c test results.Fructosamine is recommended in these patients which indicates diabetes control over 15 days. 2.Vitamin C & E are reported to falsely lower test results.(possibly by inhibiting glycation of hemoglobin.

3. Iron deficiency anemia is reported to increase test results. Hypertriglyceridemia, uremia, hyperbilirubinemia, chronic alcoholism, chronic ingestion of salicylates & opiates 4. Interference of hemoglobinopathies in HbA1c estimation is seen in

a) Homozygous hemoglobinopathy. Fructosamine is recommended for testing of HbA1c.

b) Heterozygous state detected (D10 is corrected for HbS kHbC trait.) c) HbF > 25% on alternate paltform (Boronate affinity chromatography) is recommended for testing of HbA1c.Abnormal Hemoglobin electrophoresis (HPLC method) is recommended for detecting a hemoglobinopathy

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Test Report Status Final

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Biological Reference Interval Units

IMMUNOHAEMATOLOGY MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE ABO GROUP & RH TYPE, EDTA WHOLE BLOOD ABO GROUP & RH TYPE, EDTA WHOLE BLOOD ABO GROUP TYPE B METHOD : TUBE AGGLUTINATION RH TYPE POSITIVE METHOD : TUBE AGGLUTINATION

Interpretation(s)

ABO GROUP & RH TYPE, EDTA WHOLE BLOOD-Blood group is identified by antigens and antibodies present in the blood. Antigens are protein molecules found on the surface of red blood cells. Antibodies are found in plasma. To determine blood group, red cells are mixed with different antibody solutions to give A,B,O or AB.

Disclaimer: "Please note, as the results of previous ABO and Rh group (Blood Group) for pregnant women are not available, please check with the patient records for availability of the same."

The test is performed by both forward as well as reverse grouping methods.

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PATIENT NAME : SAURABH KUMAR	REF. DOCTOR : S	SELF
CODE/NAME & ADDRESS : C000138376	ACCESSION NO : 0062WL000006	AGE/SEX : 40 Years Male
	PATIENT ID : SAURM13118362	DRAWN :
F-703, LADO SARAI, MEHRAULISOUTH WEST	CLIENT PATIENT ID:	RECEIVED : 01/12/2023 08:19:04
NEW DELHI 110030	ABHA NO :	REPORTED :02/12/2023 20:25:52
8800465156		

Test Report Status Final

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Results

Biological Reference Interval Units

	BIOCHEMISTRY		
MEDI WHEEL FULL BODY HEALTH CHECK UP BI	ELOW 40 MALE		
GLUCOSE FASTING, FLUORIDE PLASMA			
FBS (FASTING BLOOD SUGAR)	104 High	Normal <100 Impaired fasting glucose:10 125 Diabetes mellitus: > = 126 more than 1 occassion) (ADA guidelines 2021)	
METHOD : HEXOKINASE			
GLUCOSE, POST-PRANDIAL, PLASMA			<i></i>
PPBS(POST PRANDIAL BLOOD SUGAR)	118	70 - 140	mg/dL
LIPID PROFILE WITH CALCULATED LDL			
CHOLESTEROL, TOTAL	132	< 200 Desirable 200 - 239 Borderline High >/= 240 High	mg/dL
METHOD : CHOLESTEROL OXIDASE, ESTERASE, PEROXIDASE			
TRIGLYCERIDES	165 High	< 150 Normal 150 - 199 Borderline High 200 - 499 High >/=500 Very High	mg/dL
	42	< 40 Low	ma/dl
HDL CHOLESTEROL METHOD : DIRECT MEASURE POLYMER-POLYANION	43	< 40 Low >/=60 High	mg/dL
CHOLESTEROL LDL	56	< 100 Optimal 100 - 129 Near optimal/ above optima 130 - 159 Borderline High 160 - 189 High >/= 190 Very High	mg/dL

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>11.0: High Risk

>6.0 High Risk

Risk

0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate



PATIENT NAME : SAURABH KUMAR		REF. DOCTOR : SELF
CODE/NAME & ADDRESS : C000138376 ARCOFEMI HEALTHCARE LTD (MEDIWHEEL F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELHI 110030 8800465156	ACCESSION NO : 0062 PATIENT ID : SAUR CLIENT PATIENT ID: ABHA NO :	2WL000006 AGE/SEX :40 Years Male RM13118362 DRAWN : RECEIVED : 01/12/2023 08:19:04 REPORTED : 02/12/2023 20:25:52
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NON HDL CHOLESTEROL	89	Desirable-Less than 130 mg/dL Above Desirable-130-159 Borderline High-160-189 High-190-219 Very High- >or =220
METHOD : CALCULATED VERY LOW DENSITY LIPOPROTEIN	33.0	mg/dL
CHOL/HDL RATIO	3.1 Low	3.3 - 4.4: Low Risk 4.5 - 7.0: Average Risk 7.1 - 11.0: Moderate Risk

LDL/HDL RATIO

Interpretation(s)

Serum lipid profile is measured for cardiovascular risk prediction. Lipid Association of India recommends LDL-C as primary target and Non HDL-C as co-primary treatment target.

1.3

]	Risk Stratification for ASCVD	(Atherosclerotic cardiovascular disease) by Lipid Association of India
	Dials Catagories	

Risk Category						
Extreme risk group	A.CAD with	n > 1 feature of high ris	k group			
	B. CAD wit	B. CAD with > 1 feature of Very high risk group or recurrent ACS (within 1 year) despite LDL-C < or =				
	50 mg/dl or	polyvascular disease				
Very High Risk	1. Establish	ed ASCVD 2. Diabete	s with 2 r	najor risk facto	rs or evidence of end	organ damage 3.
	Familial Ho	mozygous Hypercholes	sterolemia	a		
High Risk		ajor ASCVD risk factor				
		CKD stage 3B or 4. 4.				
	Artery Calci	ium - CAC >300 AU.	7. Lipopr	otein a >/= 50n	ng/dl 8. Non stenotic	carotid plaque
Moderate Risk	2 major AS	CVD risk factors				
Low Risk	0-1 major A	SCVD risk factors				
Major ASCVD (Ath	erosclerotic c	ardiovascular disease)) Risk Fa	ctors		
1. Age $>$ or $=$ 45 year	s in males and	l > or = 55 years in fem	ales	3. Current Ci	garette smoking or to	bacco use
2. Family history of p	remature ASC	CVD		4. High blood	l pressure	
5. Low HDL						
Newer treatment goals	and statin in	itiation thresholds ba	sed on th	e risk categori	ies proposed by LAI	in 2020.
Risk Group		Treatment Goals			Consider Drug Th	erapy
		LDL-C (mg/dl)	Non-H	DL (mg/dl)	LDL-C (mg/dl)	Non-HDL (mg/dl)

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PATIENT NAME : SAURABH KUMAR	REF. DOCTOR : S	SELF
CODE/NAME & ADDRESS : C000138376	ACCESSION NO : 0062WL000006	AGE/SEX :40 Years Male
	PATIENT ID : SAURM13118362	DRAWN :
F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI	CLIENT PATIENT ID:	RECEIVED : 01/12/2023 08:19:04
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Results

Biological Reference Interval Units

Extreme Risk Group Category B Very High Risk		< OR = 60)			
Very High Risk	<or 30<="" =="" td=""><td><or 60<="" =="" td=""><td>> 30</td><td>>60</td><td></td></or></td></or>	<or 60<="" =="" td=""><td>> 30</td><td>>60</td><td></td></or>	> 30	>60	
	<50	<80	>OR= 50	>OR= 80	
High Risk	<70	<100	>OR= 70	>OR=100	
Moderate Risk	<100	<130	>OR=100	>OR=130	
Low Risk	<100	<130	>OR=130*	>OR=160	
fter an adequate non-pharmacolog					
ferences: Management of Dyslip dia. Current Vascular Pharmacolo VER FUNCTION PROFILE, S	gy, 2022, 20, 134-155.	ion of Stroke: Clinical Pr	actice Recommen	dations from the Lipic	l Associatio
LIRUBIN, TOTAL		1.00	Upto 1.2	2	mg/dL
IETHOD : DIAZONIUM ION, BLANKED (R	OCHE)		•		
LIRUBIN, DIRECT		0.33 High	Upto 0.2	2	mg/dL
, 1ETHOD : DIAZONIUM ION, BLANKED (R	OCHE)				
LIRUBIN, INDIRECT		0.67	0.00 - 0	.90	mg/dL
IETHOD : CALCULATED PARAMETER					
TAL PROTEIN		8.0	6.4 - 8.	3	g/dL
BUMIN		4.8	3.97 - 4	.94	g/dL
1ETHOD : BROMOCRESOL PURPLE					5,
OBULIN		3.2	2.0 - 4.	0	g/dL
1ETHOD : CALCULATED PARAMETER				-	0.
BUMIN/GLOBULIN RATIO		1.5	1.0 - 2.	0	RATIC
1ETHOD : CALCULATED PARAMETER				•	
SPARTATE AMINOTRANSFER	ASE(AST/SGOT)	25	0 - 40		U/L
1ETHOD : IFCC WITH PYRIDOXAL 5 PHOS	,		0 10		
ANINE AMINOTRANSFERAS		43 High	0 - 41		U/L
1ETHOD : UV WITH P5P-IFCC	_ (5			
KALINE PHOSPHATASE		204 High	40 - 129	9	U/L
1ETHOD : PNPP, AMP BUFFER-IFCC		5			
AMMA GLUTAMYL TRANSFE	RASE (GGT)	28	8 - 61		U/L
1ETHOD : G-GLUTAMYL-CARBOXY-NITRO	. ,		0 01		,
		212	135 - 22	25	U/L
1ETHOD : L TO P, IFCC			100 21		

BLOOD UREA NITROGEN	9	6 - 20	mg/dL
METHOD : UREASE - UV			

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PATIENT NAME : SAURABH KUMAR	REF. DOCTOR	: SELF
CODE/NAME & ADDRESS : C000138376 ARCOFEMI HEALTHCARE LTD (MEDIWHEEL F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELHI 110030 8800465156	ACCESSION NO : 0062WL000006 PATIENT ID : SAURM13118362 CLIENT PATIENT ID: ABHA NO :	AGE/SEX :40 Years Male DRAWN : RECEIVED :01/12/2023 08:19:04 REPORTED :02/12/2023 20:25:52
Test Report Status <u>Final</u>	Results Biologic	cal Reference Interval Units

CREATININE, SERUM CREATININE METHOD : ALKALINE PICRATE	0.81	0.7 - 1.2	mg/dL
BUN/CREAT RATIO BUN/CREAT RATIO	11.11	5.00 - 15.00	
URIC ACID, SERUM URIC ACID METHOD : URICASE, COLORIMETRIC	6.3	3.4 - 7.0	mg/dL
TOTAL PROTEIN, SERUM TOTAL PROTEIN METHOD : BIURET	8.0	6.4 - 8.3	g/dL
ALBUMIN, SERUM ALBUMIN METHOD : BROMOCRESOL PURPLE (BCP) DYE-BINDING	4.8	3.97 - 4.94	g/dL
GLOBULIN GLOBULIN METHOD : CALCULATED PARAMETER	3.2	2.0 - 4.0	g/dL

ELECTROLYTES (NA/K/CL), SERUM

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2 II





98 - 106



mmol/L

PATIENT NAME : SAURABH KUMAR		REF. DOCTOR : SELF	
CODE/NAME & ADDRESS : C000138376 ARCOFEMI HEALTHCARE LTD (MEDIWHEEL F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELHI 110030 8800465156	ACCESSION NO : 00 PATIENT ID : SAI CLIENT PATIENT ID: ABHA NO :	JRM13118362 DRAW RECE	
Test Report Status <u>Final</u>	Results	Biological Refer	ence Interval Units
SODIUM, SERUM METHOD : ISE INDIRECT POTASSIUM, SERUM	142 4.74	136 - 145 3.3 - 5.1	mmol/L mmol/L
METHOD : ISE DIRECT	,	5.5 5.1	······••, -

Interpretation(s)

CHLORIDE, SERUM METHOD : ISE INDIRECT

Sodium	Potassium	Chloride
Decreased in:CCF, cirrhosis, vomiting, diarrhea, excessive sweating, salt-losing nephropathy, adrenal insufficiency, nephrotic syndrome, water intoxication, SIADH. Drugs: thiazides, diuretics, ACE inhibitors, chlorpropamide, carbamazepine, anti depressants (SSRI), antipsychotics.	Decreased in: Low potassium intake,prolonged vomiting or diarrhea, RTA types I and II, hyperaldosteronism, Cushing's syndrome,osmotic diuresis (e.g., hyperglycemia),alkalosis, familial periodic paralysis,trauma (transient).Drugs: Adrenergic agents, diuretics.	Decreased in: Vomiting, diarrhea, renal failure combined with salt deprivation, over-treatment with diuretics, chronic respiratory acidosis, diabetic ketoacidosis, excessive sweating, SIADH, salt-losing nephropathy, porphyria, expansion of extracellular fluid volume, adrenalinsufficiency, hyperaldosteronism, metabolic alkalosis. Drugs: chronic laxative, corticosteroids, diuretics.
Increased in: Dehydration (excessivesweating, severe vomiting or diarrhea),diabetes mellitus, diabetesinsipidus, hyperaldosteronism, inadequate water intake. Drugs: steroids, licorice,oral contraceptives.	Increased in: Massive hemolysis, severe tissue damage, rhabdomyolysis, acidosis, dehydration,renal failure, Addison's disease, RTA type IV, hyperkalemic familial periodic paralysis. Drugs: potassium salts, potassium- sparing diuretics,NSAIDs, beta-blockers, ACE inhibitors, high- dose trimethoprim-sulfamethoxazole.	Increased in: Renal failure, nephrotic syndrome, RTA, dehydration, overtreatment with saline, hyperparathyroidism, diabetes insipidus, metabolic acidosis from diarrhea (Loss of HCO3-), respiratory alkalosis, hyperadrenocorticism. Drugs: acetazolamide, androgens, hydrochlorothiazide, salicylates.
Interferences: Severe lipemia or hyperproteinemi, if sodium analysis involves a dilution step can cause spurious results. The serum sodium falls about 1.6 mEq/L for each 100 mg/dL increase in blood glucose.	Interferences: Hemolysis of sample, delayed separation of serum, prolonged fist clenching during blood drawing, and prolonged tourniquet placement. Very high WBC/PLT counts may cause spurious. Plasma potassium levels are normal.	Interferences:Test is helpful in assessing normal and increased anion gap metabolic acidosis and in distinguishing hypercalcemia due to hyperparathyroidism (high serum chloride) from that due to malignancy (Normal serum chloride)

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Interpretation(s)

GLUCOSE FASTING, FLUORIDE PLASMA-TEST DESCRIPTION

Normally, the glucose concentration in extracellular fluid is closely regulated so that a source of energy is readily available to tissues and sothat no glucose is excreted in the urine.

Increased in:Diabetes mellitus, Cushing's syndrome (10 – 15%), chronic pancreatitis (30%). Drugs:corticosteroids,phenytoin, estrogen, thiazides. Decreased in :Pancreatic islet cell disease with increased insulin,insulinoma,adrenocortical insufficiency,hypopituitarism,diffuse liver disease, malignancy(adrenocortical,stomach,fibrosarcoma),infant of a diabetic mother,enzyme deficiency diseases(e.g.galactosemia),Drugs-insulin,ethanol,propranolol

sulfonylureas,tolbutamide,and other oral hypoglycemic agents. NOTE: While random serum glucose levels correlate with home glucose monitoring results (weekly mean capillary glucose values),there is wide fluctuation within individuals. Thus, glycosylated hemoglobin (HbA1c) levels are favored to monitor glycemic control.

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PATIENT NAME : SAURABH KUMAR	REF. DOCTOR :	SELF
	ACCESSION NO : 0062WL000006 PATIENT ID : SAURM13118362	AGE/SEX :40 Years Male
F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELHI 110030	CLIENT PATIENT ID: ABHA NO :	RECEIVED : 01/12/2023 08:19:04 REPORTED :02/12/2023 20:25:52
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High fasting glucose level in comparison to post prandial glucose level may be seen due to effect of Oral Hypoglycaemics & Insulin treatment, Renal Glyosuria, Glycaemic

index & response to food consumed,Alimentary Hypoglycemia,Increased insulin response & sensitivity etc. GLUCOSE, POST-PRANDIAL, PLASMA-High fasting glucose level in comparison to post prandial glucose level may be seen due to effect of Oral Hypoglycemics & Insulin treatment, Renal Glyosuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc.Additional test HbA1c LIVER FUNCTION PROFILE, SERUM-

Bilirubin is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Bilirubin is excreted in bile and urine, and elevated levels may give yellow discoloration in jaundice. **Elevated levels** results from increased bilirubin production (eg, hemolysis and ineffective erythropoiesis), decreased bilirubin excretion (eg, obstruction and hepatitis), and abnormal bilirubin metabolism (eg, hereditary and neonatal jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin in Viral hepatitis, Drug reactions, Alcoholic liver disease Conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin when there is some kind of blockage of the bile ducts like in Gallstones getting into the bile ducts, tumors &Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of Hemolytic or pernicious anemia, Transfusion reaction & a common metabolic condition termed Gilbert syndrome, due to low levels of the enzyme that attaches sugar molecules to bilirubin. AST is an enzyme found in various parts of the body. AST is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured

consistence of the second of the liver, but also in smaller amounts in the kidneys, heart, muscles, and pancreas. It is commonly measured to be a part of a diagnostic evaluation of hepatocellular injury, to determine liver health.AST levels increase during acute hepatitis, sometimes due to a viral infection, ischemia to the liver, chronic hepatitis, obstruction of bile ducts, cirrhosis.

ALP is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts and bone. Elevated ALP levels are seen in Biliary obstruction, osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Pagets disease, Rickets, Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia, Malnutrition, Protein deficiency, Wilsons disease.

GGT is an enzyme found in cell membranes of many tissues mainly in the liver, kidney and pancreas. It is also found in other tissues including intestine, spleen, heart, brain and seminal vesicles. The highest concentration is in the kidney, but the liver is considered the source of normal enzyme activity. Serum GGT has been widely used as an index of liver dysfunction. Elevated serum GGT activity can be found in diseases of the liver, biliary system and pancreas. Conditions that increase serum GGT are obstructive liver disease, high alcohol consumption and use of enzyme-inducing drugs etc. Total Protein also known as total protein, is a biochemical test for measuring the total amount of protein in serum. Protein in the plasma is made up of albumin and

globulin. Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstroms disease. Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-losing enteropathy etc.

Albumin is the most abundant protein in human blood plasma. It is produced in the liver. Albumin constitutes about half of the blood serum protein. Low blood albumin levels (hypoalbuminemia) can be caused by: Liver disease like cirrhosis of the liver, nephrotic syndrome, protein-losing enteropathy, Burns, hemodilution, increased vascular

permeability or decreased lymphatic clearance, malnutrition and wasting etc BLOOD UREA NITROGEN (BUN), SERUM-**Causes of Increased** levels include Pre renal (High protein diet, Increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal), Renal Failure, Post Renal (Malignancy, Nephrolithiasis, Prostatism) Causes of decreased level include Liver disease, SIADH.

CREATININE, SERUM-Higher than normal level may be due to:

• Blockage in the urinary tract, Kidney problems, such as kidney damage or failure, infection, or reduced blood flow, Loss of body fluid (dehydration), Muscle problems, such as breakdown of muscle fibers, Problems during pregnancy, such as seizures (eclampsia)), or high blood pressure caused by pregnancy (preeclampsia) Lower than normal level may be due to:• Myasthenia Gravis, Muscuophy URIC ACID, SERUM-Causes of Increased levels:-Dietary(High Protein Intake,Prolonged Fasting,Rapid weight loss),Gout,Lesch nyhan syndrome,Type 2 DM,Metabolic

syndrome Causes of decreased levels-Low Zinc intake, OCP, Multiple Sclerosis

TOTAL PROTEIN, SERUM-is a biochemical test for measuring the total amount of protein in serum.Protein in the plasma is made up of albumin and globulin. Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma,Waldenstroms disease

Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage),Burns,Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-losing enteropathy etc.

ALBUMIN, SERUM-Human serum albumin is the most abundant protein in human blood plasma. It is produced in the liver. Albumin constitutes about half of the blood serum protein. Low blood albumin levels (hypoalbuminemia) can be caused by: Liver disease like cirrhosis of the liver, nephrotic syndrome, protein-losing enteropathy, Burns, hemodilution, increased vascular permeability or decreased lymphatic clearance,malnutrition and wasting etc.

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PATIENT NAME : SAURABH KUMAR	REF. DOCTOR	: SELF
CODE/NAME & ADDRESS : C000138376	ACCESSION NO : 0062WL000006	AGE/SEX :40 Years Male
ARCOFEMI HEALTHCARE LTD (MEDIWHEEL F-703, LADO SARAI, MEHRAULISOUTH WEST	PATIENT ID : SAURM13118362	DRAWN :
DELHI	CLIENT PATIENT ID:	RECEIVED : 01/12/2023 08:19:04
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	CLINICAL PATH - URINALY	'SIS	
MEDI WHEEL FULL BODY HEALTH C	HECK UP BELOW 40 MALE)
PHYSICAL EXAMINATION, URINE			
COLOR	PALE YELLOW		
APPEARANCE	CLEAR		
CHEMICAL EXAMINATION, URINE			
РН	6.0	4.5 - 7.5	
SPECIFIC GRAVITY	1 015	1 005 - 1 030	

SPECIFIC GRAVITY	1.015	1.005 - 1.030
PROTEIN	NOT DETECTED	NEGATIVE
GLUCOSE	NOT DETECTED	NEGATIVE
KETONES	NOT DETECTED	NOT DETECTED
BLOOD	NOT DETECTED	NEGATIVE
BILIRUBIN	NOT DETECTED	NOT DETECTED
UROBILINOGEN	NORMAL	NORMAL
NITRITE	NOT DETECTED	NOT DETECTED
LEUKOCYTE ESTERASE	NOT DETECTED	NOT DETECTED

MICROSCOPIC EXAMINATION, URINE	

RED BLOOD CELLS	NOT DETECTED	NOT DETECTED	/HPF
PUS CELL (WBC'S)	0-1	0-5	/HPF
EPITHELIAL CELLS	0-1	0-5	/HPF
CASTS	NOT DETECTED		
CRYSTALS	NOT DETECTED		
BACTERIA	NOT DETECTED	NOT DETECTED	
YEAST	NOT DETECTED	NOT DETECTED	
REMARKS	NOTE:- MICROSCOPIC EXA CENTRIFUGE URINARY SEDIMENT.	MINATION OF URINE IS PERFORM	1ed by

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PATIENT NAME : SAURABH KUMAR	REF. DOCTOR :	SELF
ARCOFEMI HEALTHCARE LTD (MEDIWHEEL F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI	ACCESSION NO : 0062WL000006 PATIENT ID : SAURM13118362 CLIENT PATIENT ID: ABHA NO :	AGE/SEX :40 Years Male DRAWN : RECEIVED :01/12/2023 08:19:04 REPORTED :02/12/2023 20:25:52
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Interpretation(s)

The following table describes the probable conditions, in which the analytes are present in urine

Presence of	Conditions	
Proteins	Inflammation or immune illnesses	
Pus (White Blood Cells)	Urinary tract infection, urinary tract or kidney stone, tumors or any kind of kidney impairment	
Glucose	Diabetes or kidney disease	
Ketones	Diabetic ketoacidosis (DKA), starvation or thirst	
Urobilinogen	Liver disease such as hepatitis or cirrhosis	
Blood	Renal or genital disorders/trauma	
Bilirubin	Liver disease	
Erythrocytes	Urological diseases (e.g. kidney and bladder cancer, urolithiasis), urinary tract infection and glomerular diseases	
Leukocytes	Urinary tract infection, glomerulonephritis, interstitial nephritis either acute or chronic, polycystic kidney disease, urolithiasis, contamination by genital secretions	
Epithelial cells	Urolithiasis, bladder carcinoma or hydronephrosis, ureteric stents or bladder catheters for prolonged periods of time	
Granular Casts	Low intratubular pH, high urine osmolality and sodium concentration, interaction with Bence-Jones protein	
Hyaline casts	Physical stress, fever, dehydration, acute congestive heart failure, renal diseases	
Calcium oxalate	Metabolic stone disease, primary or secondary hyperoxaluria, intravenous infusion of large doses of vitamin C, the use of vasodilator naftidrofuryl oxalate or the gastrointestinal lipase inhibitor orlistat, ingestion of ethylene glycol or of star fruit (Averrhoa carambola) or its juice	
Uric acid	arthritis	
Bacteria	Urinary infectionwhen present in significant numbers & with pus cells.	
Trichomonas vaginalis	Vaginitis, cervicitis or salpingitis	

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NOT DETECTED



PATIENT NAME : SAURABH KUMAR	REF. DOCTOR : S	SELF
CODE/NAME & ADDRESS : C000138376	ACCESSION NO : 0062WL000006	AGE/SEX :40 Years Male
	PATIENT ID : SAURM13118362	DRAWN :
F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI	CLIENT PATIENT ID:	RECEIVED : 01/12/2023 08:19:04
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Test	Report	Status	<u>Final</u>
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Results

Biological Reference Interval Units

	CLINICAL PATH - STOOL ANALY	/SIS]
MEDI WHEEL FULL BODY HEALTH CH	ECK UP BELOW 40 MALE		
PHYSICAL EXAMINATION, STOOL			
COLOUR	BROWN		
CONSISTENCY	SEMI FORMED		
MUCUS	ABSENT	NOT DETECTED	
VISIBLE BLOOD	ABSENT	ABSENT	
ADULT PARASITE	NOT DETECTED		
MICROSCOPIC EXAMINATION, STOO	L		
PUS CELLS	0-1		/hpf
RED BLOOD CELLS	NOT DETECTED	NOT DETECTED	/HPF
CYSTS	NOT DETECTED	NOT DETECTED	
OVA	NOT DETECTED		
LARVAE	NOT DETECTED	NOT DETECTED	

Interpretation(s)

TROPHOZOITES

Stool routine analysis is only a screening test for disorders of gastrointentestinal tract like infection, malabsorption, etc. The following table describes the probable conditions, in which the analytes are present in stool.

NOT DETECTED

PRESENCE OF	CONDITION	
Pus cells	Pus in the stool is an indication of infection	
Red Blood cells	Parasitic or bacterial infection or an inflammatory bowel condition such as ulcerative colitis	

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PATIENT NAME : SAURABH KUMAR	REF. DOCTOR : SELF				
CODE/NAME & ADDRESS : C000138376 ARCOFEMI HEALTHCARE LTD (MEDIWHEEL	ACCESSION NO : 0062WL000006	AGE/SEX :40 Years Male			
F-703, LADO SARAI, MEHRAULISOUTH WEST	PATIENT ID : SAURM13118362 CLIENT PATIENT ID:	DRAWN : RECEIVED : 01/12/2023 08:19:04			
NEW DELHI 110030 8800465156	ABHA NO :	REPORTED :02/12/2023 20:25:52			

Test Report Status <u>Final</u>	Results	Biological Reference Interval Units
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Parasites	Infection of the digestive system. Stool examination for ova and parasite detects presence of parasitic infestation of gastrointestinal tract. Various forms of parasite that can be detected include cyst, trophozoite and larvae. One negative result does not rule out the possibility of parasitic infestation. Intermittent shedding of parasites warrants examinations of multiple specimens tested on consecutive days.Stool specimens for parasitic examination should be collected before initiation of antidiarrheal therapy or antiparasitic therapy. This test does not detect presence of opportunistic parasites like Cyclospora, Cryptosporidia and Isospora species. Examination of Ova and Parasite has been carried out by direct and concentration techniques.
Mucus	Mucus is a protective layer that lubricates, protects& reduces damage due to bacteria or viruses.
Charcot-Leyden crystal	Parasitic diseases.
Ova & cyst	Ova & cyst indicate parasitic infestation of intestine.
Frank blood	Bleeding in the rectum or colon.
Occult blood	Occult blood indicates upper GI bleeding.
Macrophages	Macrophages in stool are an indication of infection as they are protective cells.
Epithelial cells	Epithelial cells that normally line the body surface and internal organs show up in stool when there is inflammation or infection.
Fat	Increased fat in stool maybe seen in conditions like diarrhoea or malabsorption.
рН	Normal stool pH is slightly acidic to neutral. Breast-fed babies generally have an acidic stool.

ADDITIONAL STOOL TESTS :

- 1. <u>Stool Culture</u>:- This test is done to find cause of GI infection, make decision about best treatment for GI infection & to find out if treatment for GI infection worked.
- 2. <u>Fecal Calprotectin</u>: It is a marker of intestinal inflammation. This test is done to differentiate Inflammatory Bowel Disease (IBD) from Irritable Bowel Syndrome (IBS).
- 3. Fecal Occult Blood Test(FOBT): This test is done to screen for colon cancer & to evaluate possible cause of unexplained anaemia.
- 4. <u>Clostridium Difficile Toxin Assay</u>: This test is strongly recommended in healthcare associated bloody or waterydiarrhoea, due to overuse of broad spectrum antibiotics which alter the normal GI flora.
- Biofire (Film Array) GI PANEL: In patients of Diarrhoea, Dysentry, Rice watery Stool, FDA approved, Biofire Film Array Test, (Real Time Multiplex PCR) is strongly recommended as it identifies organisms, bacteria, fungi, virus, parasite and other opportunistic pathogens, Vibrio cholera infections only in 3 hours. Sensitivity 96% & Specificity 99%.
- 6. <u>Rota Virus Immunoassay</u>: This test is recommended in severe gastroenteritis in infants & children associated with watery diarrhoea, vomitting& abdominal cramps. Adults are also affected. It is highly contagious in nature.

K. I. Prejupati

Dr. Kamlesh I Prajapati Consultant Pathologist



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PATIENT NAME : SAURABH KUMAR	REF. DOCTOR :	SELF
ARCOFEMI HEALTHCARE LTD (MEDIWHEEL F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI	ACCESSION NO : 0062WL000006 PATIENT ID : SAURM13118362 CLIENT PATIENT ID : ABHA NO :	AGE/SEX :40 Years Male DRAWN : RECEIVED :01/12/2023 08:19:04 REPORTED :02/12/2023 20:25:52
Test Report Status Final	Results Biological	Reference Interval Units

Test	Report	Status	<u>Final</u>
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Biological Reference Interval Units

	SPECIALISED CHEMISTRY - H	IORMONE	
MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE			
THYROID PANEL, SERUM			
ТЗ	169.80	80.0 - 200.0	ng/dL
T4	9.35	5.10 - 14.10	µg/dL
TSH (ULTRASENSITIVE)	2.170	0.270 - 4.200	µIU/mL

Interpretation(s)

Triiodothyronine T3, Thyroxine T4, and Thyroid Stimulating Hormone TSH are thyroid hormones which affect almost every physiological process in the body, including growth, development, metabolism, body temperature, and heart rate.

Production of T3 and its prohormone thyroxine (T4) is activated by thyroid-stimulating hormone (TSH), which is released from the pituitary gland. Elevated concentrations of T3, and T4 in the blood inhibit the production of TSH.

Excessive secretion of thyroxine in the body is hyperthyroidism, and deficient secretion is called hypothyroidism.

In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hyperthyroidism, TSH levels are low. Below mentioned are the guidelines for Pregnancy related reference ranges for Total T4, TSH & Total T3. Measurement of the serum TT3 level is a more sensitive test for the diagnosis of hyperthyroidism, and measurement of TT4 is more useful in the diagnosis of hypothyroidism. Most of the thyroid hormone in blood is bound to transport proteins. Only a very small fraction of the circulating hormone is free and biologically active. It is advisable to detect Free T3, Free T4 along with TSH, instead of testing for albumin bound Total T3, Total T4.

Sr. No.	TSH	Total T4	FT4	Total T3	Possible Conditions
1	High	Low	Low	Low	(1) Primary Hypothyroidism (2) Chronic autoimmune Thyroiditis (3)
					Post Thyroidectomy (4) Post Radio-Iodine treatment
2	High	Normal	Normal	Normal	(1)Subclinical Hypothyroidism (2) Patient with insufficient thyroid
					hormone replacement therapy (3) In cases of Autoimmune/Hashimoto
					thyroiditis (4). Isolated increase in TSH levels can be due to Subclinical
					inflammation, drugs like amphetamines, Iodine containing drug and
					dopamine antagonist e.g. domperidone and other physiological reasons.
3	Normal/Low	Low	Low	Low	(1) Secondary and Tertiary Hypothyroidism
4	Low	High	High	High	(1) Primary Hyperthyroidism (Graves Disease) (2) Multinodular Goitre
					(3)Toxic Nodular Goitre (4) Thyroiditis (5) Over treatment of thyroid
					hormone (6) Drug effect e.g. Glucocorticoids, dopamine, T4
					replacement therapy (7) First trimester of Pregnancy
5	Low	Normal	Normal	Normal	(1) Subclinical Hyperthyroidism
6	High	High	High	High	(1) TSH secreting pituitary adenoma (2) TRH secreting tumor
7	Low	Low	Low	Low	(1) Central Hypothyroidism (2) Euthyroid sick syndrome (3) Recent
					treatment for Hyperthyroidism

K. I. Prejupati

Dr. Kamlesh I Prajapati **Consultant Pathologist**

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PATIENT NAME : SAURABH KUMAR	REF. DOCTOR : SELF			
CODE/NAME & ADDRESS : C000138376	ACCESSION NO : 0062WL000006	AGE/SEX :40 Years Male		
ARCOFEMI HEALTHCARE LTD (MEDIWHEEL	PATIENT ID : SAURM13118362	DRAWN :		
F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI	CLIENT PATIENT ID:	RECEIVED : 01/12/2023 08:19:04		
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8800465156				
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Fest Report Status	<u>Final</u>
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Results

Biological Reference Interval Units

8	Normal/Low	Normal	Normal	High	(1) T3 thyrotoxicosis (2) Non-Thyroidal illness
9	Low	High	High	Normal	(1) T4 Ingestion (2) Thyroiditis (3) Interfering Anti TPO antibodies
REF: 1. TIETZ Fundamentals of Clinical chemistry 2. Guidlines of the American Thyroid association duriing pregnancy and Postpartum, 2011.					

NOTE: It is advisable to detect Free T3,FreeT4 along with TSH, instead of testing for albumin bound Total T3, Total T4.TSH is not affected by variation in thyroid - binding protein. TSH has a diurnal rhythm, with peaks at 2:00 - 4:00 a.m. And troughs at 5:00 - 6:00 p.m. With ultradian variations.

End Of Report Please visit www.agilusdiagnostics.com for related Test Information for this accession

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- It is presumed that the test sample belongs to the patient named or identified in the test requisition form.
 All tests are performed and reported as per the turnaround time stated in the AGILUS Directory of Services.
 Result delays could occur due to unforeseen circumstances such as non-availability of kits / equipment breakdown / natural calamities / technical downtime or any other unforeseen event.
 A requested test might not be performed if:

 Specimen received is insufficient or inappropriate ii. Specimen quality is unsatisfactory
 - iii. Incorrect specimen type

iv. Discrepancy between identification on specimen container label and test requisition form

5. AGILUS Diagnostics confirms that all tests have been performed or assayed with highest quality standards, clinical safety & technical integrity.

6. Laboratory results should not be interpreted in isolation; it must be correlated with clinical information and be interpreted by registered medical practitioners only to determine final diagnosis.

7. Test results may vary based on time of collection, physiological condition of the patient, current medication or nutritional and dietary changes. Please consult your doctor or call us for any clarification.

8. Test results cannot be used for Medico legal purposes.

9. In case of queries please call customer care

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Agilus Diagnostics Ltd

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New Delhi, 110085 New Delhi, India Tel : 9111591115, Fax : CIN - U74899PB1995PLC045956 Page 24 Of 24





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