

PATIENT NAME : HARSHALI BHAND	<b>REF. DOCTOR :</b> DR. ACROFEMI HEALTHCARE LTD ( MEDIWHEEL )		
CODE/NAME & ADDRESS : C000138355	ACCESSION NO : 0290WD0004		
ACROFEMI HEALTHCARE LTD (MEDIWHEEL)	PATIENT ID : HARSF2101892	290 DRAWN :	
F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI	SHENT BATIENT ID:	RECEIVED : 03/04/2023 08:41:09	
NEW DELHI 110030		REPORTED :03/04/2023 17:50:28	
8800465156			
Test Report Status <u>Final</u>	Results Bio	ological Reference Interval Units	
MEDI WHEEL FULL BODY HEALTH CHECKUP E	BELOW 40FEMALE		
XRAY-CHEST			
»»	BOTH THE LUNG FIELDS ARE C	CLEAR	
»»	BOTH THE COSTOPHRENIC AND	D CARIOPHRENIC ANGELS ARE CLEAR	
»»	BOTH THE HILA ARE NORMAL		
»»	CARDIAC AND AORTIC SHADO	WS APPEAR NORMAL	
»»	BOTH THE DOMES OF THE DIAPHRAM ARE NORMAL		
»»	VISUALIZED BONY THORAX IS NORMAL		
IMPRESSION	NO ABNORMALITY DETECTED		
	Dr G S Saluja (DMRD) (Consultant Radiologist)		
TMT OR ECHO			
TMT OR ECHO	KINDLY NOTE THAT :- SONOM	AMMOGRAPHY (USG BREAST) DONE IN	
	THE PLACE OF TMT AS PAR REC	QUEST BY CLIENT.	
ECG			
ECG	ELECTROCARDIOGRAM:-		
	SINUS RHYTHM.		
	NORMAL ECG.		
RELEVANT PRESENT HISTORY	NOT SIGNIFICANT		
RELEVANT PAST HISTORY	H/O GDM / IGT		
RELEVANT PERSONAL HISTORY	NOT SIGNIFICANT		
MENSTRUAL HISTORY (FOR FEMALES)			
RELEVANT FAMILY HISTORY	MOTHER :- DM AND HTN. NOT SIGNIFICANT		
OCCUPATIONAL HISTORY			
HISTORY OF MEDICATIONS ANTHROPOMETRIC DATA & BMI	NOT SIGNIFICANT		
	1 50	mts	
HEIGHT IN METERS	1.50		
WEIGHT IN KGS.	56	Kgs	

Pepita

Dr.Arpita Pasari, MD Consultant Pathologist







View Details View Report





PATIENT NAME : HARSHALI BHAND	REF.		DR. ACROFEMI HEALTH MEDIWHEEL )	ICARE LTD
CODE/NAME & ADDRESS : C000138355	ACCESSION NO : 0290WD0	00435	AGE/SEX : 34 Years	s Female
ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULISOUTH WEST	PATIENT ID : HARSF2101	.89290	DRAWN :	
DELHI	ABHANDATIENT ID:		RECEIVED : 03/04/2	
NEW DELHI 110030			REPORTED :03/04/2	023 17:50:28
8800465156				
Test Report Status <u>Final</u>	Results	Biological	Reference Interva	I Units
ВМІ	25	Below 18. 18.5 - 24. 25.0 - 29.	ight Status as folk 5: Underweight .9: Normal .9: Overweight Above: Obese	o <b>wg/</b> sqmts
GENERAL EXAMINATION				
MENTAL / EMOTIONAL STATE	NORMAL			
PHYSICAL ATTITUDE	NORMAL			
GENERAL APPEARANCE / NUTRITIONAL STATUS	OVERWEIGHT			
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	ર		
THYROID GLAND	NOT ENLARGED			
CAROTID PULSATION	NORMAL			
TEMPERATURE	AFEBRILE			
PULSE	59/MIN			
RESPIRATORY RATE	NORMAL			
CARDIOVASCULAR SYSTEM				
BP	10/70 MMHG			mm/Hg
PERICARDIUM	NORMAL			
APEX BEAT	NORMAL			
HEART SOUNDS	S1, S2 HEARD NORMALLY			
MURMURS	ABSENT			
RESPIRATORY SYSTEM				
SIZE AND SHAPE OF CHEST	NORMAL			
MOVEMENTS OF CHEST	SYMMETRICAL			
BREATH SOUNDS INTENSITY	NORMAL			
BREATH SOUNDS QUALITY	VESICULAR (NORMAL)			
~				



Dr.Arpita Pasari, MD Consultant Pathologist



Patient Ref. No. 77500002791018

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ACROPENH HEALTHCARE LTD ( MEDIWHEEL ) F-733, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELH 110030 S800465156 Test Report Status Final Results Biological Reference Interval Units RECEIVED : 03/04/2023 08:41:09 REPORTED : 00RMAL REPLEXES : 00RMAL REPLEXES : 00RMAL REFLEXES : 00RMAL BASIC FVE EXAMINATION EVELODS : 00RMAL REPLEXES :	PATIENT NAME : HARSHALI BHAND	REF. D	OCTOR : DR ( M	. ACROFEN 1EDIWHEEI		RE LTD
F-703, LADO SARAI, MEHRAULISOUTH WEST       IARDI D. THASP 210135230       RECEIVED : 03/04/2023 08:41:09         RECEIVED : 03/04/2023 17:50:28       RECEIVED : 03/04/2023 17:50:28       RECEIVED : 03/04/2023 17:50:28         RECEIVED : 03/04/2023 17:50:28       RECEIVED : 03/04/2023 17:50:28       RECEIVED : 03/04/2023 17:50:28         ADDED SOUNDS       ABSENT       RECEIVED : 03/04/2023 17:50:28         ADDED SOUNDS ROMINENCE       ABSENT       RECEIVED : 03/04/2023 17:50:28         ADDED SOUNDS ROMINENCE       ABSENT       RECEIVED : 03/04/2023 17:50:28         VENOUS PROMINENCE       ABSENT       RECEIVED : 03/04/2023 17:50:28         FIELDS       NOT PALPABLE       NORMAL         REFLEXES       NORMAL       NORMAL         MUSCULOSKELETAL SYSTEM       NORMAL       SENSORY SYSTEM         MUSCULOSKELETAL SYSTEM       NORMAL       CONJUNCTIVA	CODE/NAME & ADDRESS : C000138355	ACCESSION NO : 0290WD000			-	Female
DELHI I IO300 SB00465156  Test Report Status Einal Results Biological Reference Interval Units  ADDED SOUNDS ABSENT PER ABDOMEN  ADPEARANCE NORMAL  APPEARANCE ABSENT PER ABDOMEN  APPEARANCE ABSENT LIVER NOT PALPABLE SPILEEN NOT PALPABLE SPILEEN NOT PALPABLE HERNIA ABSENT CENTRAL NERVOUS SYSTEM HIGHER FUNCTIONS NORMAL CRANIAL NERVES NORMAL  CRANIAL PINCTIONS NORMAL CREFEBLAR FUNCTIONS NORMAL CREFEBLAR FUNCTIONS NORMAL CREFEBLAR FUNCTIONS NORMAL SENSORY SYSTEM SENS	. ,	PATIENT ID : HARSF21018	9290 [	DRAWN	:	
Biological Reference Interval       Units         ADDED SOUNDS       ABSENT         PER ABDOMEN	DELHI	ALIENT BATIENT ID:	I			
Test Report Status       Final       Results       Biological Reference Interval       Units         ADDED SOUNDS       ABSENT	NEW DELHI 110030		F	REPORTED	:03/04/202	3 17:50:28
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	NEAR VISION LEFT EYE WITHOUT GLASSES	WITHIN NORMAL LIMIT				
BASIC ENT EXAMINATION	COLOUR VISION	NORMAL				
	BASIC ENT EXAMINATION					
EXTERNAL EAR CANAL NORMAL	EXTERNAL EAR CANAL	NORMAL				
TYMPANIC MEMBRANE NORMAL	TYMPANIC MEMBRANE	NORMAL				
NOSE NO ABNORMALITY DETECTED	NOSE	NO ABNORMALITY DETECTED				



Dr.Arpita Pasari, MD Consultant Pathologist







View Report

View Details





### **PATIENT NAME : HARSHALI BHAND** REF. DOCTOR : DR. ACROFEMI HEALTHCARE LTD (MEDIWHEEL) CODE/NAME & ADDRESS : C000138355 ACCESSION NO : 0290WD000435 AGE/SEX : 34 Years Female ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) PATIENT ID DRAWN : HARSF210189290 : F-703, LADO SARAI, MEHRAULISOUTH WEST ABHAN NOATIENT ID: RECEIVED : 03/04/2023 08:41:09 DELHI REPORTED :03/04/2023 17:50:28 NEW DELHI 110030 8800465156 **Test Report Status** Results Biological Reference Interval Units **Final** SINUSES CLEAR NO ABNORMALITY DETECTED THROAT NOT ENLARGED TONSILS SUMMARY

SUMMART	
RELEVANT HISTORY	NOT SIGNIFICANT
RELEVANT GP EXAMINATION FINDINGS	NOT SIGNIFICANT
RELEVANT LAB INVESTIGATIONS	WITHIN NORMAL LIMITS
RELEVANT NON PATHOLOGY DIAGNOSTICS	NO ABNORMALITIES DETECTED
REMARKS / RECOMMENDATIONS	NONE
FITNESS STATUS	

FITNESS STATUS

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

# Comments

CLINICAL FINDINGS :-

RAISED FBS.

RAISED HbA1C AND ESTIMATED AVERAG GLUCOSE (EAG)

OVER WEIGHT STATUS.

FITNESS STATUS :-

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

ADVICE : WEIGHT REDUCTION, LOW FAT& CARBOHYDRATE DIET AND REGULAR PHYSICAL EXERCISE FOR OVERWEIGHT STATUS NEED PHYSICIAN CONSULTATION FOR LIFE STYLE MODIFICATION.

(KINDLY NOTE THAT PAP SMEAR REFUSED BY CANDIDATE)

Dr.Arpita Pasari, MD Consultant Pathologist



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Patient Ref. No. 77500002791018



PATIENT NAME : HARSHALI BHAND		R. ACROFEMI HEALTHCARE LTD MEDIWHEEL )
ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULISOUTH WEST	ACCESSION NO : <b>0290WD000435</b> РАПЕНТ ID : HARSF210189290 СЪЧЕНТО:	AGE/SEX :34 Years Female DRAWN : RECEIVED :03/04/2023 08:41:09 REPORTED :03/04/2023 17:50:28
Test Report Status Final	Results	Units

MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40FEMALE ULTRASOUND ABDOMEN **ULTRASOUND ABDOMEN** 

**Final** 

NO ABNORMALITIES DETECTED

(THERE IS ANECHOIC AREA 7 MM SEEN IN CERVICAL REGION - NEBOTHIAN CYST)

## Interpretation(s)

MEDIČAL

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, SRL classifies a candidate's Fitness Status into one of the following categories: • Fit (As per requested panel of tests) – SRL Limited gives the individual a clean chit to join the organization, on the basis of the General Physical Examination and the specific test panel requested for.

• 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 SRL 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

**Final** 



Biological Reference Interval Units

PATIENT NAME : HARSHALI BHAND	REF. DOCTOR :	DR. ACROFEMI HEALTHCARE LTD ( MEDIWHEEL )
CODE/NAME & ADDRESS : C000138355 ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELHI 110030 8800465156	ACCESSION NO : <b>0290WD000435</b> PATIENT ID : HARSF210189290 SHIANNOATIENT ID:	AGE/SEX :34 Years Female DRAWN : RECEIVED :03/04/2023 08:41:09 REPORTED :03/04/2023 17:50:28

Results

н	AEMATOLOGY - CBC		
MEDI WHEEL FULL BODY HEALTH CHECKUP BE	LOW 40FEMALE		
BLOOD COUNTS, EDTA WHOLE BLOOD			
HEMOGLOBIN (HB) METHOD : SPECTROPHOTOMETRY	12.4	12.0 - 15.0	g/dL
RED BLOOD CELL (RBC) COUNT METHOD : ELECTRICAL IMPEDANCE	4.24	3.8 - 4.8	mil/µL
WHITE BLOOD CELL (WBC) COUNT METHOD : ELECTRICAL IMPEDANCE	5.70	4.0 - 10.0	thou/µL
PLATELET COUNT METHOD : ELECTRICAL IMPEDANCE	262	150 - 410	thou/µL
RBC AND PLATELET INDICES			
HEMATOCRIT (PCV) METHOD : CALCULATED	37.9	36 - 46	%
MEAN CORPUSCULAR VOLUME (MCV) METHOD : CALCULATED	89.0	83 - 101	fL
MEAN CORPUSCULAR HEMOGLOBIN (MCH) METHOD : CALCULATED	29.2	27.0 - 32.0	pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC) METHOD : CALCULATED	32.6	31.5 - 34.5	g/dL
RED CELL DISTRIBUTION WIDTH (RDW) METHOD : CALCULATED	12.1	11.6 - 14.0	%
MENTZER INDEX	21.0		
MEAN PLATELET VOLUME (MPV) METHOD : CALCULATED	9.4	6.8 - 10.9	fL
WBC DIFFERENTIAL COUNT			
NEUTROPHILS METHOD : IMPEDANCE / MICROSCOPY	60	40 - 80	%
LYMPHOCYTES METHOD : IMPEDANCE / MICROSCOPY	35	20 - 40	%
MONOCYTES METHOD : IMPEDANCE / MICROSCOPY	03	2 - 10	%
EOSINOPHILS	02	1 - 6	%



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#### REF. DOCTOR : DR. ACROFEMI HEALTHCARE LTD **PATIENT NAME : HARSHALI BHAND** (MEDIWHEEL) CODE/NAME & ADDRESS : C000138355 :34 Years ACCESSION NO : 0290WD000435 AGE/SEX Female ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) PATIENT ID DRAWN : HARSF210189290 : F-703, LADO SARAI, MEHRAULISOUTH WEST RECEIVED : 03/04/2023 08:41:09 GETENT BATIENT ID: DELHI REPORTED :03/04/2023 17:50:28 NEW DELHI 110030 8800465156 Results Biological Reference Interval Units **Test Report Status Final** METHOD : IMPEDANCE / MICROSCOPY % BASOPHILS 00 0 - 2 METHOD : IMPEDANCE / MICROSCOPY ABSOLUTE NEUTROPHIL COUNT 3.42 2.0 - 7.0 thou/µL METHOD : CALCULATED

ABSOLUTE LYMPHOCYTE COUNT METHOD : CALCULATED	2.00	1.0 - 3.0	thou/µL
	0.17 Low	0.2 - 1.0	thou/µL
	0.11	0.02 - 0.50	thou/µL
METHOD : CALCULATED			

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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#### REF. DOCTOR : DR. ACROFEMI HEALTHCARE LTD **PATIENT NAME : HARSHALI BHAND** (MEDIWHEEL) CODE/NAME & ADDRESS : C000138355 ACCESSION NO : 0290WD000435 AGE/SEX :34 Years Female ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) PATIENT ID : HARSF210189290 DRAWN : F-703, LADO SARAI, MEHRAULISOUTH WEST RECEIVED : 03/04/2023 08:41:09 GETENT BATIENT ID: DELHI REPORTED :03/04/2023 17:50:28 NEW DELHI 110030 8800465156

**Test Report Status Final**  Results

**Biological Reference Interval** Units

	HAEMATOLOGY		······
			رر
MEDI WHEEL FULL BODY HEALTH CHECKUP BELOW 40FEMALE ERYTHROCYTE SEDIMENTATION RATE (ESR),WHOLE			
BLOOD			
E.S.R	21 High	0 - 20	mm at 1 hr
METHOD : MODIFIED WESTERGREN			

### Interpretation(s)

ERYTHROCYTE SEDIMENTATION RATE (ESR), WHOLE BLOOD-TEST DESCRIPTION :-

Exprince the sedimentation rate (ESR) is a test that indirectly measures the degree of inflammation present in the body. The test actually measures the rate of fall (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 pregnance while 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)

**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.



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PATIENT NAME : HARSHALI BHAND		R. ACROFEMI HEALTHCARE LTD MEDIWHEEL )
CODE/NAME & ADDRESS : C000138355 ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELHI 110030 8800465156	ACCESSION NO : <b>0290WD000435</b> РАПЕНТ ID : HARSF210189290 ЕНЕМТВАПЕНТ ID:	AGE/SEX : 34 Years Female DRAWN : RECEIVED : 03/04/2023 08:41:09 REPORTED :03/04/2023 17:50:28
Test Report Status <u>Final</u>	Results Biological	Reference Interval Units

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	IMMUNOHAEMATOLOGY	
MEDI WHEEL FULL BODY HEALTH C	HECKUP BELOW 40FEMALE	
ABO GROUP & RH TYPE, EDTA WHO	LE BLOOD	
ABO GROUP METHOD : TUBE AGGLUTINATION	TYPE B	
RH TYPE METHOD : TUBE AGGLUTINATION	NEGATIVE	

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 Ref. No. 775000002791018



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**Test Report Status** 

**Final** 



Biological Reference Interval Units

PATIENT NAME : HARSHALI BHAND		R. ACROFEMI HEALTHCARE LTD MEDIWHEEL )
CODE/NAME & ADDRESS : C000138355 ACROFEMI HEALTHCARE LTD ( MEDIWHEEL )		AGE/SEX : 34 Years Female
F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELHI 110030 8800465156	ABHA NU :	DRAWN : RECEIVED :03/04/2023 08:41:09 REPORTED :03/04/2023 17:50:28

Results

	BIOCHEMISTRY		
MEDI WHEEL FULL BODY HEALTH CHECKUP	BELOW 40FEMALE		
GLUCOSE FASTING, FLUORIDE PLASMA			
FBS (FASTING BLOOD SUGAR) METHOD : HEXOKINASE	109 High	74 - 99	mg/dL
GLYCOSYLATED HEMOGLOBIN(HBA1C), ED BLOOD	TA WHOLE		
HBA1C METHOD : HPLC TECHNOLOGY	6.1 High	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)	%
ESTIMATED AVERAGE GLUCOSE(EAG)	128.4 High	< 116.0	mg/dL
GLUCOSE, POST-PRANDIAL, PLASMA	2		3.
PPBS(POST PRANDIAL BLOOD SUGAR)	112	Normal: < 140, Impaired Glucose Tolerance:140-199 Diabetic > or = 200	mg/dL
METHOD : HEXOKINASE			
LIPID PROFILE, SERUM			
CHOLESTEROL, TOTAL	157	Desirable: <200 BorderlineHigh : 200-239 High : > or = 240	mg/dL
METHOD : OXIDASE, ESTERASE, PEROXIDASE			
TRIGLYCERIDES	93	Desirable: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High : > or = 500	mg/dL
HDL CHOLESTEROL METHOD : DIRECT- NON IMMUNOLOGICAL	40	< 40 Low > or = 60 High	mg/dL

METHOD : DIRECT- NON IMMUNOLOGICAL

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PATIENT NAME : HARSHALI BHAND		<b>REF. DOCTOR :</b> DR. ACROFEMI HEALTHCARE LTD ( MEDIWHEEL )
CODE/NAME & ADDRESS : C000138355 ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELHI 110030 8800465156	ACCESSION NO : <b>02!</b> PATIENT ID : HAF GEFENT PATIENT ID:	POWD000435         AGE/SEX         : 34 Years         Female           RSF210189290         DRAWN         :         RECEIVED         : 03/04/2023         08:41:09           REPORTED         :03/04/2023         17:50:28         17:50:28
Test Report Status <u>Final</u>	Results	Biological Reference Interval Units
CHOLESTEROL LDL	98	Adult levels: mg/dL Optimal < 100 Near optimal/above optimal: 100-129 Borderline high : 130-159 High : 160-189 Very high : = 190
NON HDL CHOLESTEROL	117	Desirable: Less than 130 mg/dL Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220
VERY LOW DENSITY LIPOPROTEIN METHOD : CALCULATED	18.6	mg/dL
CHOL/HDL RATIO	3.9	
LDL/HDL RATIO	2.4	0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate Risk

# Interpretation(s)

1) Cholesterol levels help assess the patient risk status and to follow the progress of patient under treatment to lower serum cholesterol concentrations.

2) Serum Triglyceride (TG) are a type of fat and a major source of energy for the body. Both quantity and composition of the diet impact on plasma triglyceride concentrations. Elevations in TG levels are the result of overproduction and impaired clearance. High TG are associated with increased risk for CAD (Coronary artery disease) in patients with other risk factors, such as low HDL-C, some patient groups with elevated apolipoprotein B concentrations, and patients with forms of LDL that may be particularly atherogenic.

>6.0 High Risk

3)HDL-C plays a crucial role in the initial step of reverse cholesterol transport, this considered to be the primary atheroprotective function of HDL

4) LDL -C plays a key role in causing and influencing the progression of atherosclerosis and, in particular, coronary sclerosis. The majority of cholesterol stored in atherosclerotic plaques originates from LDL, thus LDL-C value is the most powerful clinical predictor.

5)Non HDL cholesterol: Non-HDL-C measures the cholesterol content of all atherogenic lipoproteins, including LDL hence it is a better marker of risk in both primary and secondary prevention studies. Non-HDL-C also covers, to some extent, the excess ASCVD risk imparted by the sdLDL, which is significantly more atherogenic than the normal large buoyant particles, an elevated non-HDL-C indirectly suggests greater proportion of the small, dense variety of LDL particles

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

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#### **PATIENT NAME : HARSHALI BHAND** REF. DOCTOR : DR. ACROFEMI HEALTHCARE LTD (MEDIWHEEL) CODE/NAME & ADDRESS : C000138355 ACCESSION NO : 0290WD000435 AGE/SEX :34 Years Female ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) PATIENT ID DRAWN : HARSF210189290 : F-703, LADO SARAI, MEHRAULISOUTH WEST RECEIVED : 03/04/2023 08:41:09 ABHAN BATIENT ID: DELHI REPORTED :03/04/2023 17:50:28 NEW DELHI 110030 8800465156

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

HDL-C as co-primary treatment target.

# Risk Stratification for ASCVD (Atherosclerotic cardiovascular disease) by Lipid Association of India

Risk Category			
Extreme risk group	A.CAD with $> 1$ feature of high risk group		
	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. Established ASCVD 2. Diabetes with 2	major risk factors or evidence of end organ damage 3.	
	Familial Homozygous Hypercholesterolem	ia	
High Risk	1. Three major ASCVD risk factors. 2. Di	abetes with 1 major risk factor or no evidence of end	
	organ damage. 3. CKD stage 3B or 4. 4. LDL >190 mg/dl 5. Extreme of a single risk factor. 6.		
	Coronary Artery Calcium - CAC >300 AU. 7. Lipoprotein a >/= 50mg/dl 8. Non stenotic carotid		
	plaque		
Moderate Risk	2 major ASCVD risk factors		
Low Risk	0-1 major ASCVD risk factors		
Major ASCVD (Ath	erosclerotic cardiovascular disease) Risk F	actors	
1. Age $>$ or $=$ 45 year	1. Age $>$ or $= 45$ years in males and $>$ or $= 55$ years in females 3. Current Cigarette smoking or tobacco use		
2. Family history of p	2. Family history of premature ASCVD 4. High blood pressure		
5. Low HDL			

Newer treatment goals and statin initiation thresholds based on the risk categories proposed by LAI in 2020.

Risk Group	Treatment Goals		Consider Drug Thera	ару
	LDL-C (mg/dl)	Non-HDL (mg/dl)	LDL-C (mg/dl)	Non-HDL (mg/dl)
Extreme Risk Group Category A	<50 (Optional goal < OR = 30 )	< 80 (Optional goal <or 60)<="" =="" td=""><td>&gt;OR = 50</td><td>&gt;OR = 80</td></or>	>OR = 50	>OR = 80
Extreme Risk Group Category B	<or 30<="" =="" td=""><td><or 60<="" =="" td=""><td>&gt; 30</td><td>&gt;60</td></or></td></or>	<or 60<="" =="" td=""><td>&gt; 30</td><td>&gt;60</td></or>	> 30	>60
Very High Risk	<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

\*After an adequate non-pharmacological intervention for at least 3 months.

**References:** Management of Dyslipidaemia for the Prevention of Stroke: Clinical Practice Recommendations from the Lipid Association of India. Current Vascular Pharmacology, 2022, 20, 134-155.

# LIVER FUNCTION PROFILE, SERUM

BILIRUBIN, TOTAL	0.24	0.0 - 1.2	mg/dL
METHOD : JENDRASSIK AND GROFF			
BILIRUBIN, DIRECT	0.10	0.0 - 0.2	mg/dL
METHOD : DIAZOTIZATION			

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PATIENT NAME : HARSHALI BHAND	REI	F. DOCTOR : DR. ACROFEMI HE ( MEDIWHEEL )	ALTHCARE LTD
CODE/NAME & ADDRESS : C000138355 ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELHI 110030 8800465156	ACCESSION NO : <b>0290WD</b> РАПЕНТ ID : HARSF21 СЫТЕЛТ ВАПЕНТ ID:	0189290 DRAWN : RECEIVED : 03/	Years Female 04/2023 08:41:09 04/2023 17:50:28
Test Report Status <u>Final</u>	Results	Biological Reference Int	erval Units
BILIRUBIN, INDIRECT METHOD : CALCULATED	0.14	0.00 - 1.00	mg/dL
TOTAL PROTEIN METHOD : BIURET	7.3	6.4 - 8.3	g/dL
ALBUMIN METHOD : BROMOCRESOL GREEN	4.2	3.50 - 5.20	g/dL
GLOBULIN METHOD : CALCULATED	3.1	2.0 - 4.1	g/dL
ALBUMIN/GLOBULIN RATIO METHOD : CALCULATED	1.4	1.0 - 2.0	RATIO
ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD : UV WITH P5P	14	UPTO 32	U/L
ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD : UV WITH P5P	12	UPTO 34	U/L
ALKALINE PHOSPHATASE METHOD : PNPP	83	35 - 104	U/L
GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD : G-GLUTAMYL-CARBOXY-NITROANILIDE	16	5 - 36	U/L
LACTATE DEHYDROGENASE METHOD : ENZYMATIC LACTATE - PYRUVATE(IFCC)	139	135 - 214	U/L
BLOOD UREA NITROGEN (BUN), SERUM			
BLOOD UREA NITROGEN METHOD : UREASE KINETIC	8	6 - 20	mg/dL
CREATININE, SERUM			<i></i>
CREATININE METHOD : ALKALINE PICRATE KINETIC JAFFES	0.56	0.50 - 0.90	mg/dL
BUN/CREAT RATIO			
BUN/CREAT RATIO METHOD : CALCULATED	14.29	5.0 - 15.0	
URIC ACID, SERUM			
URIC ACID METHOD : URICASE/CATALASE UV	4.0	2.6 - 6.0	mg/dL
TOTAL PROTEIN, SERUM			
TOTAL PROTEIN	7.3	6.4 - 8.3	g/dL



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PERFORMED AT : Agilus Diagnostics Ltd (Formerly SRL Ltd) Gate No 2, Residency Area, Opp. St. Raphaels School, Indore, 452001 Madhya Pradesh, India Tel : 0731 2490008 Page 13 Of 23



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PATIENT NAME : HARSHALI BHAN	D	REF. DOCTOR : DR. ACRO ( MEDIWH	
CODE/NAME & ADDRESS : C000138355		90WD000435 AGE/SE	X : 34 Years Female
ACROFEMI HEALTHCARE LTD (MEDIW		RSF210189290 DRAWN	:
F-703, LADO SARAI, MEHRAULISOUTI DELHI	ABLENT BATIENT ID:	RECEIVE	ED :03/04/2023 08:41:09
NEW DELHI 110030		REPORT	ED :03/04/2023 17:50:28
8800465156			
Test Report Status <u>Final</u>	Results	Biological Refere	nce Interval Units
METHOD : BIURET			
ALBUMIN, SERUM			
ALBUMIN	4.2	3.5 - 5.2	g/dL
METHOD : BROMOCRESOL GREEN			
GLOBULIN			
GLOBULIN	3.1	2.0 - 4.1	g/dL
ELECTROLYTES (NA/K/CL), SERUM	I		
SODIUM, SERUM	139.6	136.0 - 146.0	mmol/L
METHOD : DIRECT ION SELECTIVE ELECTRODE			
POTASSIUM, SERUM	4.27	3.50 - 5.10	mmol/L
METHOD : DIRECT ION SELECTIVE ELECTRODE			
CHLORIDE, SERUM	105.5	98.0 - 106.0	mmol/L
METHOD : DIRECT ION SELECTIVE ELECTRODE			
Interpretation(s)			
		C <mark>hloride</mark> Decreased in: Vomiting, diarrhea,	

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

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Patient Ref. No. 775000002791018



## **PATIENT NAME : HARSHALI BHAND**

### REF. DOCTOR : DR. ACROFEMI HEALTHCARE LTD MEDIWHEEL )

**Biological Reference Interval** Units

	(	
CODE/NAME & ADDRESS : C000138355	ACCESSION NO : 0290WD000435	AGE/SEX : 34 Years Female
ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULISOUTH WEST	PATIENT ID : HARSF210189290	DRAWN :
DELHI	ABIENT BATIENT ID:	RECEIVED : 03/04/2023 08:41:09
NEW DELHI 110030		REPORTED :03/04/2023 17:50:28
8800465156		

# Interpretation(s)

**Test Report Status** 

# GLUCOSE FASTING, FLUORIDE PLASMA-TEST DESCRIPTION

Final

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.

Results

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. GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD-**Used For**:

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

2. Diagnosing diabetes.

3. 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, hyperbilirubinemia, chronic alcoholism, chronic ingestion of salicylates & opiates addiction are reported to interfere with some assay methods, falsely increasing results.

4. Interference of hemoglobinopathies in HbA1c estimation is seen ir

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

GLUCOSE, POST-PRANDIAL, PLASMA-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.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 clinically as a marker for liver health. AST levels increase during chronic viral hepatitis, blockage of the bile duct, cirrhosis of the liver,liver cancer,kidney failure,hemolytic anemia,pancreatitis,hemochromatosis. AST levels may also increase after a heart attack or strenuous activity.ALT test measures the amount of this enzyme in the blood.ALT is found mainly in the liver, but also in smaller amounts in the kidneys,heart,muscles, and pancreas.It is commonly measured as 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.



Dr.Arpita Pasari, MD **Consultant Pathologist** 



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Test Report Status



**Biological Reference Interval** Units

( MEDIWHEEL )	
CODE/NAME & ADDRESS : C000138355ACCESSION NO : 0290WD000435AGE/SEX : 34 YearsFemaleACROFEMI HEALTHCARE LTD (MEDIWHEEL)PATIENT ID : HARSF210189290DRAWN :F-703, LADO SARAI, MEHRAULISOUTH WESTPATIENT ID : HARSF210189290RECEIVED : 03/04/2023 08:41:09NEW DELHI 1100308800465156REPORTED : 03/04/2023 17:50:28	

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.

Results

**Final** 

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 : HARSHALI BHAND	<b>REF. DOCTOR :</b> DR. ACROFEMI HEALTHCARE LTD ( MEDIWHEEL )
CODE/NAME & ADDRESS : C000138355ACCOESSION NO : 029ACROFEMI HEALTHCARE LTD ( MEDIWHEEL )PATIENT ID : HARF-703, LADO SARAI, MEHRAULISOUTH WEST DELHIPATIENT ID : HARNEW DELHI 1100308800465156	OWD000435         AGE/SEX         : 34 Years         Female           ISF210189290         DRAWN         :         RECEIVED         : 03/04/2023         08:41:09           REPORTED         : 03/04/2023         17:50:28         ::

Test	Report	Status	<u>Final</u>
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Results

Biological Reference Interval Units

CLI	INICAL PATH - URINALYS	S	
MEDI WHEEL FULL BODY HEALTH CHECKUP	BELOW 40FEMALE		
PHYSICAL EXAMINATION, URINE			
COLOR	PALE YELLOW		
APPEARANCE	CLEAR		
CHEMICAL EXAMINATION, URINE			
PH	5.5	4.7 - 7.5	
SPECIFIC GRAVITY	<=1.005	1.003 - 1.035	
PROTEIN	NOT DETECTED	NOT DETECTED	
GLUCOSE	NOT DETECTED	NOT DETECTED	
KETONES	NOT DETECTED	NOT DETECTED	
BLOOD	NOT DETECTED	NOT DETECTED	
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)	2-3	0-5	/HPF
EPITHELIAL CELLS	2-3	0-5	/HPF
CASTS	NOT DETECTED		
CRYSTALS	NOT DETECTED		
BACTERIA	NOT DETECTED	NOT DETECTED	
YEAST	NOT DETECTED	NOT DETECTED	
REMARKS	Please note that all the	e urinary findings are confirme	d manually as well.

# 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

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Dr.Arpita Pasari, MD Consultant Pathologist

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# PATIENT NAME : HARSHALI BHAND

# **REF. DOCTOR :** DR. ACROFEMI HEALTHCARE LTD (MEDIWHEEL)

	-		-	
CODE/NAME & ADDRESS : C000138355	ACCESSION NO : 0290WD000435	AGE/SEX	:34 Years	Female
ACROFEMI HEALTHCARE LTD ( MEDIWHEEL )	PATIENT ID : HARSF210189290	DRAWN	:	
F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI	]	RECEIVED	:03/04/2023	08:41:09
NEW DELHI 110030		REPORTED	:03/04/2023	17:50:28
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<b>Test Report</b>	Status	<u>Final</u>
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Results

Biological Reference Interval Units

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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PATIENT NAME : HARSHALI BHAND		R. ACROFEMI HEALTHCARE LTD MEDIWHEEL )
ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703. LADO SARAT, MEHRAULISOUTH WEST	PATIENT ID : HARSF210189290 GEIENT BATIENT ID:	AGE/SEX : 34 Years Female DRAWN : RECEIVED : 03/04/2023 08:41:09 REPORTED :03/04/2023 17:50:28

	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	ECKUP BELOW 40FEMALE		
PHYSICAL EXAMINATION, STOOL			
COLOUR	BROWN		
CONSISTENCY	WELL FORMED		
MUCUS	ABSENT	NOT DETECTED	
VISIBLE BLOOD	ABSENT	ABSENT	
ADULT PARASITE	NOT DETECTED		
CHEMICAL EXAMINATION, STOOL			
OCCULT BLOOD	NOT DETECTED	NOT DETECTED	
MICROSCOPIC EXAMINATION, STOOL	-		
PUS CELLS	1-2		/hpf
RED BLOOD CELLS	NOT DETECTED	NOT DETECTED	/HPF
CYSTS	NOT DETECTED	NOT DETECTED	
OVA	NOT DETECTED		
LARVAE	NOT DETECTED	NOT DETECTED	
TROPHOZOITES	NOT DETECTED	NOT DETECTED	

# Interpretation(s)

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.

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
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.

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Dr.Meena Jinwah ,MBBS . MD Consultant Microbiologist



Dr.Arpita Pasari, MD Consultant Pathologist

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# PATIENT NAME : HARSHALI BHAND

# **REF. DOCTOR :** DR. ACROFEMI HEALTHCARE LTD (MEDIWHEEL)

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CODE/NAME & ADDRESS : C000138355	ACCESSION NO : 0290WD000435	AGE/SEX	:34 Years	Female
ACROFEMI HEALTHCARE LTD ( MEDIWHEEL )	PATIENT ID : HARSF210189290	DRAWN	:	
F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI	SHENT BATIENT ID:	RECEIVED	:03/04/2023	08:41:09
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Test Report Status Final

Results

Biological Reference Interval Units

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.

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Dr.Meena Jinwah ,MBBS . MD Consultant Microbiologist



Dr.Arpita Pasari, MD Consultant Pathologist

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PATIENT NAME : HARSHALI BHAND		R. ACROFEMI HEALTHCARE LTD MEDIWHEEL )
F-703, LADO SARAI, MEHRAULISOUTH WEST	ACCESSION NO : <b>0290WD000435</b> PATIENT ID : HARSF210189290	AGE/SEX : 34 Years Female DRAWN : RECEIVED : 03/04/2023 08:41:09 REPORTED :03/04/2023 17:50:28

Test R	eport	Status	<u>Final</u>
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Results

**Biological Reference Interval** Units

SPECIALISED CHEMISTRY - HORMONE					
MEDI WHEEL FULL BODY HEALTH CHECK	UP BELOW 40FEMALE				
THYROID PANEL, SERUM					
Τ3	104.20	Non-Pregnant Women ng/ 80.0 - 200.0 Pregnant Women 1st Trimester:105.0 - 230.0 2nd Trimester:129.0 - 262.0 3rd Trimester:135.0 - 262.0	/dL		
METHOD : CHEMILUMINESCENCE TECHNOLOGY					
T4	8.93	Non-Pregnant Women µg/ 5.10 - 14.10 Pregnant Women 1st Trimester: 7.33 - 14.80 2nd Trimester: 7.93 - 16.10 3rd Trimester: 6.95 - 15.70	/dL		
METHOD : CHEMILUMINESCENCE TECHNOLOGY					
TSH (ULTRASENSITIVE)	3.940	Non Pregnant Women         μIU           0.27 - 4.20         Pregnant Women           1st Trimester: 0.33 - 4.59         2nd Trimester: 0.35 - 4.10           3rd Trimester: 0.21 - 3.15	J/mL		

METHOD : CHEMILUMINESCENCE TECHNOLOGY

# 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, FreeT4 along with TSH, instead of testing for albumin bound Total T3, Total T4.

Dr.Arpita Pasari, MD Consultant Pathologist





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# PATIENT NAME : HARSHALI BHAND

# **REF. DOCTOR :** DR. ACROFEMI HEALTHCARE LTD (MEDIWHEEL)

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CODE/NAME & ADDRESS : C000138355	ACCESSION NO : 0290WD000435	AGE/SEX	:34 Years	Female
ACROFEMI HEALTHCARE LTD ( MEDIWHEEL )	PATIENT ID : HARSF210189290	DRAWN	:	
F-703, LADO SARAI, MEHRAULISOUTH WEST			:03/04/2023	09.41.00
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Test Report Status	<u>Final</u>	Results	<b>Biological Reference Interval</b>	Units

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
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.srlworld.com for related Test Information for this accession

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PATIENT NAME : HARSHALI BHAND		DR. ACROFEMI HEALTHCARE LTD ( MEDIWHEEL )
CODE/NAME & ADDRESS : C000138355 ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULISOUTH WEST DELHI NEW DELHI 110030 8800465156	ACCESSION NO : <b>0290WD000435</b> РАТІЕНТ ID : HARSF210189290 АЦТЕНТРАПЕНТ ID:	AGE/SEX :34 Years Female DRAWN : RECEIVED :03/04/2023 08:41:09 REPORTED :03/04/2023 17:50:28
Test Report Status <u>Final</u>	Results Biological	Reference Interval Units

CONDITIONS OF LABORAT	ORY TESTING & REPORTING
<ol> <li>It is presumed that the test sample belongs to the patient named or identified in the test requisition form.</li> <li>All tests are performed and reported as per the turnaround time stated in the AGILUS Directory of Services.</li> <li>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.</li> <li>A requested test might not be performed if:         <ol> <li>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</li> </ol> </li> </ol>	<ol> <li>AGILUS Diagnostics confirms that all tests have been performed or assayed with highest quality standards, clinica safety &amp; technical integrity.</li> <li>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.</li> <li>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.</li> <li>Test results cannot be used for Medico legal purposes.</li> <li>In case of queries please call customer care (91115 91115) within 48 hours of the report.</li> </ol>
	Agilus Diagnostics Limited Fortis Hospital, Sector 62, Phase VIII,

Fortis Hospital, Sector 62, Phase VIII, Mohali 160062



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