

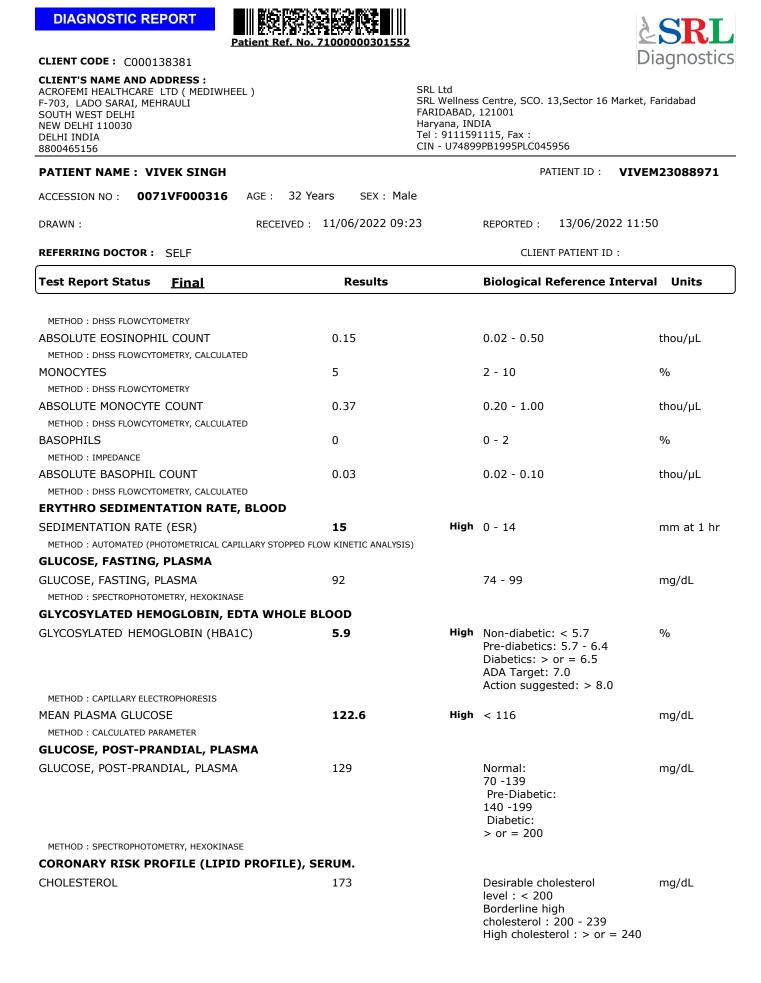






DIAGNOSTIC REPORT

CLIENT CODE : C000138381











CLIENT'S NAME AND ADDRESS : ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA DELHI INDIA 8800465156

CDL Ltd
SRL Ltd
SRL Wellness Centre, SCO. 13, Sector 16 Market, Faridabad
FARIDABAD, 121001
Haryana, INDIA
Tel : 9111591115, Fax :
CIN - U74899PB1995PLC045956

CLIENT PATIENT ID :

REPORTED :

PATIENT ID : VIVEM23088971

13/06/2022 11:50

## **PATIENT NAME : VIVEK SINGH**

#### ACCESSION NO : 0071VF000316 AGE : 32 Years SEX : Male RECEIVED : 11/06/2022 09:23 DRAWN :

REFERRING DOCTOR : SELF

Test Report Status <u>Final</u>	Results		Biological Reference Interv	al Units
TRIGLYCERIDES	92		Normal: < 150 Borderline high : 150 - 199 High: 200 - 499 Very High : > /= 500	mg/dL
METHOD : SPECTROPHOTOMETRY, GPO-POD METHOD				
HDL CHOLESTEROL	41		Low HDL cholesterol < 40 High HDL cholesterol > or = 60	mg/dL
METHOD : SPECTROPHOTOMETRY, HOMOGENEOUS DIRECT	ENZYMATIC COLORIMETRIC			
DIRECT LDL CHOLESTEROL	127.00	High	Adult Optimal: < 100 Near Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: > or = 190	mg/dL
METHOD : SPECTROPHOTOMETRY, ELIMINATION / CATALA	SE		., .	
NON HDL CHOLESTEROL	132	High	Desirable : < 130 Above Desirable : 130 -159 Borderline High : 160 - 189 High : 190 - 219 Very high : > or = 220	mg/dL
METHOD : CALCULATED PARAMETER				
CHOL/HDL RATIO	4.2		Low Risk : 3.3 - 4.4 Average Risk : 4.5 - 7.0 Moderate Risk : 7.1 - 11.0 High Risk : > 11.0	
METHOD : CALCULATED PARAMETER				
LDL/HDL RATIO	3.1	High	Desirable/Low Risk: 0.5 - 3.0 Borderline/Moderate Risk: 3.1 - 6.0 High Risk: > 6.0	
METHOD : CALCULATED PARAMETER				
VERY LOW DENSITY LIPOPROTEIN	18.4		< or = 30	mg/dL
METHOD : CALCULATED PARAMETER				
LIVER FUNCTION PROFILE, SERUM				
BILIRUBIN, TOTAL METHOD : SPECTROPHOTOMETRY, VANADATE OXIDATION	1.2		0.2 - 1.2	mg/dL
BILIRUBIN, DIRECT METHOD : SPECTROPHOTOMETRY, VANADATE OXIDATION	0.4	High	0.01 - 0.30	mg/dL
BILIRUBIN, INDIRECT METHOD : CALCULATED PARAMETER	0.80		0.1 - 1.0	mg/dL
TOTAL PROTEIN	7.3		5.7 - 8.2	g/dL





DIAGNOSTIC REPORT	o. 7100000030155	2		SRL
CLIENT CODE: C000138381				Diagnostics
CLIENT'S NAME AND ADDRESS : ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 8800465156		FARIDABAD, Haryana, INI Tel : 911159	AIG	16 Market, Faridabad
PATIENT NAME : VIVEK SINGH ACCESSION NO : 0071VF000316 AGE : 32	Years SEX : Ma	مام	PATIENT ID	: VIVEM23088971
	: 11/06/2022 09		REPORTED : 13/06/2	2022 11:50
REFERRING DOCTOR : SELF			CLIENT PATIENT	ID:
Test Report Status <u>Final</u>	Results		Biological Reference	e Interval Units
METHOD : SPECTROPHOTOMETRY, BIURET ALBUMIN METHOD : SPECTROPHOTOMETRY, BROMOCRESOL GREEN(BCG	4.2		3.2 - 4.8	g/dL
GLOBULIN METHOD : CALCULATED PARAMETER	3.1		2.0 - 4.1	g/dL
ALBUMIN/GLOBULIN RATIO METHOD : CALCULATED PARAMETER	1.4		1.0 - 2.1	RATIO
ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD : SPECTROPHOTOMETRY,MODIFIED IFCC	71	High	< 34.0	U/L
ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD : SPECTROPHOTOMETRY,MODIFIED IFCC	145	High	10 - 49	U/L
ALKALINE PHOSPHATASE METHOD : SPECTROPHOTOMETRY, IFCC STANDARDIZATION	103		30 - 120	U/L
GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD : SPECTROPHOTOMETRY, MODIFIED IFCC	44		< 73.0	U/L
LACTATE DEHYDROGENASE	202		120 - 446	U/L
METHOD : SPECTROPHOTOMETRY, LACTATE TO PYRUVATE /NI SERUM BLOOD UREA NITROGEN	COTINAMIDE ADENINE D		<i>(U</i> ).	
BLOOD UREA NITROGEN	7.7		6 - 20	mg/dL
METHOD : SPECTROPHOTOMETRY, UREASE WITH GLDH	,		0 20	1119/02
CREATININE, SERUM				
CREATININE	0.74	Low	0.90 - 1.30	mg/dL
METHOD : JAFFE, ALKALINE PICRATE, KINETIC WITH BLANK RABUN/CREAT RATIO	ATE CORRECTION			
BUN/CREAT RATIO	10.41		10 - 20	
METHOD : CALCULATED PARAMETER				
URIC ACID, SERUM				
URIC ACID METHOD : SPECTROPHOTOMETRY, URICASE/PEROXIDASE	7.1		3.7 - 9.2	mg/dL
TOTAL PROTEIN, SERUM				
TOTAL PROTEIN METHOD : SPECTROPHOTOMETRY, BIURET	7.3		5.7 - 8.2	g/dL
	4.5			
			3.2 - 4.8	g/dL
METHOD : SPECTROPHOTOMETRY, BROMOCRESOL GREEN(BCG GLOBULIN	J - DIE DINUING			
GLOBULIN	3.1		2.0 - 4.1	g/dL
METHOD : CALCULATED PARAMETER	5.1		2.0 7.1	9/ 02





DIAGNOSTIC REPORT	No. 71000000301552		<b>SRL</b>
CLIENT CODE : C000138381			Diagnostics
CLIENT'S NAME AND ADDRESS : ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 8800465156	FARIDA Haryan Tel : 91	l ellness Centre, SCO. 13,Sector 16 BAD, 121001 a, INDIA 111591115, Fax : 174899PB1995PLC045956	Market, Faridabad
PATIENT NAME : VIVEK SINGH		PATIENT ID :	VIVEM23088971
ACCESSION NO : 0071VF000316 AGE : 3	32 Years SEX : Male		
DRAWN : RECEIV	ED: 11/06/2022 09:23	REPORTED : 13/06/20	22 11:50
REFERRING DOCTOR : SELF		CLIENT PATIENT ID	):
Test Report Status <u>Final</u>	Results	Biological Reference	Interval Units
ELECTROLYTES (NA/K/CL), SERUM			
SODIUM	139	136 - 145	mmol/L
METHOD : INDIRECT INTEGRATED MULTISENSOR TECHNOL	OGY (IMT).		
POTASSIUM	4.3	3.5 - 5.1	mmol/L
METHOD : INDIRECT INTEGRATED MULTISENSOR TECHNOL	. ,	00 107	
	107	98 - 107	mmol/L
PHYSICAL EXAMINATION, URINE			
	PALE YELLOW		
	CLEAR	1 002 1 025	
SPECIFIC GRAVITY	>=1.030	1.003 - 1.035	
Comments			
NOTE :MICROSCOPIC EXAMINATION OF URINE IS PERURINARY SEDIMENT. IN NORMAL URINE SAMPLES CAST AND CRYSTALS AF CHEMICAL EXAMINATION, URINE			
PH	6.0	4.7 - 7.5	
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	
MICROSCOPIC EXAMINATION, URINE			
PUS CELL (WBC'S)	0-1	0-5	/HPF
EPITHELIAL CELLS	0-1	0-5	/HPF
ERYTHROCYTES (RBC'S)	NOT DETECTED	NOT DETECTED	/HPF
CASTS	NOT DETECTED		
CRYSTALS	NOT DETECTED		
BACTERIA	NOT DETECTED	NOT DETECTED	
METHOD : DIP STICK/MICRO SCOPY/REFLECTANCE SPECTRO	DPHOTOMETRY		
THYROID PANEL, SERUM			
Т3	104.9	60 - 181	ng/dL
METHOD : CHEMILUMINESCENCE	7.00		<i></i>
Τ4	7.80	4.50 - 10.90	µg/dL

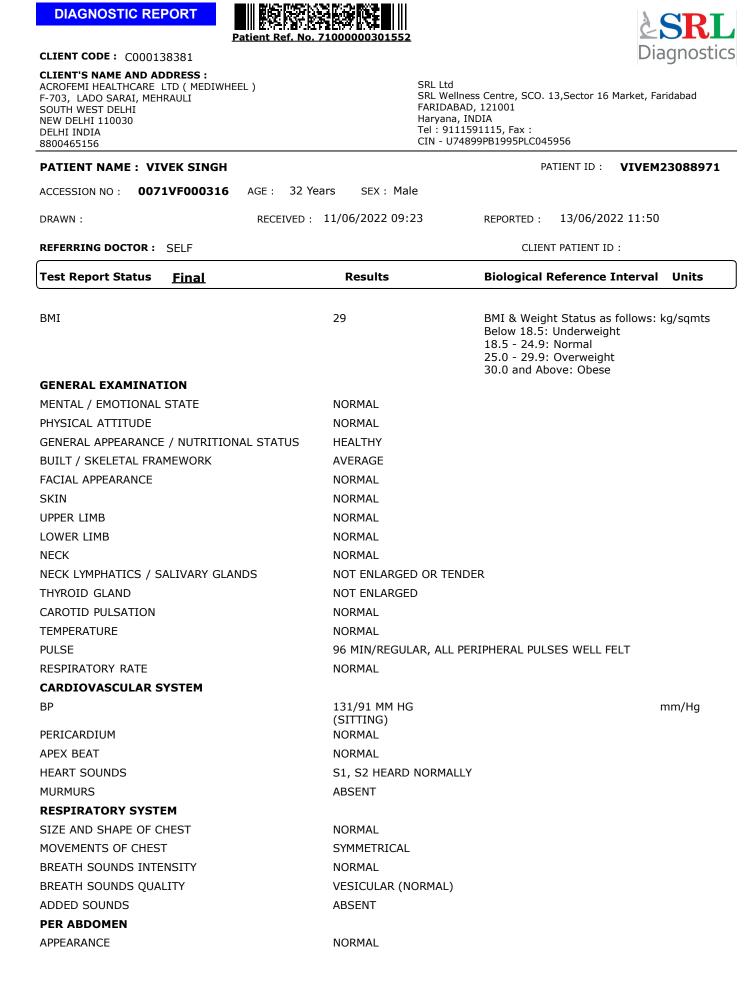




DIAGNOSTIC REPORT	Patient Ref. No.	71000000301552		<b>ESRL</b>
CLIENT CODE: C000138381				Diagnostics
CLIENT'S NAME AND ADDRESS : ACROFEMI HEALTHCARE LTD ( MEE F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 8800465156		FARIE Harya Tel :	td Wellness Centre, SCO. 13,Sector 16 DABAD, 121001 ana, INDIA 9111591115, Fax : U74899PB1995PLC045956	Market, Faridabad
PATIENT NAME : VIVEK SIN	IGH		PATIENT ID :	VIVEM23088971
ACCESSION NO : 0071VF000	<b>316</b> AGE : 32 Yes	ars SEX : Male		
DRAWN :	RECEIVED :	11/06/2022 09:23	REPORTED : 13/06/20	22 11:50
REFERRING DOCTOR : SELF			CLIENT PATIENT ID	):
Test Report Status <u>Final</u>		Results	Biological Reference	Interval Units
METHOD : CHEMILUMINESCENCE				
TSH 3RD GENERATION METHOD : CHEMILUMINESCENCE		2.206	0.550 - 4.780	µIU/mL
STOOL: OVA & PARASITE				
REMARK		SAMPLE NOT RECEIV	/ED	
METHOD : MICROSCOPIC EXAMINATION				
ABO GROUP & RH TYPE, EDT	A WHOLE BLOOD	-		
ABO GROUP		0		
METHOD : HEMAGGLUTINATION REACT RH TYPE METHOD : HEMAGGLUTINATION REACT		RH+		
XRAY-CHEST				
»»		BOTH THE LUNG FIE	LDS ARE CLEAR	
»»		BOTH THE COSTOPH	IRENIC AND CARIOPHRENIC AN	GELS ARE CLEAR
»»		BOTH THE HILA ARE	NORMAL	
»»		CARDIAC AND AORT	IC SHADOWS APPEAR NORMAL	
»»		BOTH THE DOMES O	F THE DIAPHRAM ARE NORMAL	
»»		VISUALIZED BONY T	HORAX IS NORMAL	
IMPRESSION		NO ABNORMALITY D	ETECTED	
TMT OR ECHO				
TMT OR ECHO		REPORT ENCLOSED		
ECG				
ECG		REPORTS ENCLOSED	)	
MEDICAL HISTORY				
RELEVANT PRESENT HISTORY		NOT SIGNIFICANT		
RELEVANT PAST HISTORY		NOT SIGNIFICANT		
RELEVANT PERSONAL HISTORY	/	MARRIED./ VEGETER	RIAN	
RELEVANT FAMILY HISTORY		FATHER- HTN/DM		
OCCUPATIONAL HISTORY		B.TECH		
HISTORY OF MEDICATIONS		NOT SIGNIFICANT		
ANTHROPOMETRIC DATA &	ВМІ			
HEIGHT IN METERS		1.76		mts
WEIGHT IN KGS.		90		Kgs
				-

















CLIENT'S NAME AND ADDRESS : ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 8800465156

SRL Ltd
SRL Wellness Centre, SCO. 13, Sector 16 Market, Faridabad
FARIDABAD, 121001
Haryana, INDIA
Tel : 9111591115, Fax :
CIN - U74899PB1995PLC045956

### **PATIENT NAME : VIVEK SINGH**

REFERRING DOCTOR : SELF

ACCESSION NO :	0071VF000316	AGE :	32 Years	SEX : Male
DRAWN :		RECE	IVED : 11/06	5/2022 09:23

REPORTED : 13/06/2022 11:50 CLIENT PATIENT ID :

PATIENT ID : VIVEM23088971

Test Report Status <u>Final</u>	Results	Biological Reference Interval	Units
VENOUS PROMINENCE	ABSENT		
LIVER	NOT PALPABLE		
SPLEEN	NOT PALPABLE		
HERNIA	NORMAL		
CENTRAL NERVOUS SYSTEM	NORMAL		
HIGHER FUNCTIONS	NORMAL		
CRANIAL NERVES	NORMAL		
CEREBELLAR FUNCTIONS	NORMAL		
SENSORY SYSTEM	NORMAL		
MOTOR SYSTEM	NORMAL		
REFLEXES	NORMAL		
MUSCULOSKELETAL SYSTEM			
SPINE	NORMAL		
JOINTS	NORMAL		
BASIC EYE EXAMINATION			
CONJUNCTIVA	NORMAL		
EYELIDS	NORMAL		
EYE MOVEMENTS	NORMAL		
CORNEA	NORMAL		
DISTANT VISION RIGHT EYE WITHOUT GLASSES	6/6		
DISTANT VISION LEFT EYE WITHOUT GLASSES	6/6		
BASIC ENT EXAMINATION			
EXTERNAL EAR CANAL	NORMAL		
TYMPANIC MEMBRANE	NORMAL		
NOSE	NO ABNORMALITY DETECT	ED	
SINUSES	CLEAR		
THROAT	NO ABNORMALITY DETECT	ED	
TONSILS	NOT ENLARGED		
SUMMARY			
RELEVANT HISTORY	NOT SIGNIFICANT		
RELEVANT GP EXAMINATION FINDINGS	NOT SIGNIFICANT		
RELEVANT LAB INVESTIGATIONS	WITHIN NORMAL LIMITS		
REMARKS / RECOMMENDATIONS	NONE		
FITNESS STATUS			









**DIAGNOSTIC REPORT** 

**CLIENT'S NAME AND ADDRESS :** ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHT NEW DELHI 110030 DELHI INDIA 8800465156

SRL Ltd	
SRL Wellness Centre, SCO. 13, Sector 16 Market, F	aridabad
FARIDABAD, 121001	
Haryana, INDIA	
Tel : 9111591115, Fax :	
CIN - U74899PB1995PLC045956	

#### **PATIENT NAME : VIVEK SINGH** PATIENT ID : VIVEM23088971 ACCESSION NO : 0071VF000316 AGE: 32 Years SEX : Male DRAWN : RECEIVED : 11/06/2022 09:23 **REPORTED** : 13/06/2022 11:50 REFERRING DOCTOR : SELF CLIENT PATIENT ID :

Test Report Status     Final     Results     Biological Reference Interval	Units
--	-------

FITNESS STATUS

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

### Comments

OUR PANEL OF DOCTORS. GENERAL PHYSICIAN - DR. MUKUL GOSWAMI CONSULTANT RADIOLOGIST - DR. D.R. CHUGH CONSULTANT CARDIOLOGIST : DR. SANDEEP KUMAR

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

#### 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 - NLR-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

ERYTHRO SEDIMENTATION RATE, BLOOD-Erythrocyte sedimentation rate (ESR) is a non - specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives). It is especially low (0 -1mm) in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when early the results and here and early early early the parture parture parture of the second acute phase reactants. and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

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" GLUCOSE, FASTING, PLASMA-

ADA 2021 guidelines for adults, after 8 hrs fasting is as follows: Pre-diabetics: 100 - 125 mg/dL Diabetic: > or = 126 mg/dL GLYCOSYLATED HEMOGLOBIN, EDTA WHOLE BLOOD-

Glycosylated hemoglobin (GHb) has been firmly established as an index of long-term blood glucose concentrations and as a measure of the risk for the development of complications in patients with diabetes mellitus. Formation of GHb is essentially irreversible, and the concentration in the blood depends on both the life span of the red

complications in patients with diabetes mellitus. Formation of GHD is essentially irreversible, and the concentration in the blood depends on both the life span of the red blood cell (average 120 days) and the blood glucose concentration. Because the rate of formation of GHb is directly proportional to the concentration of glucose in the blood, the GHb concentration represents the integrated values for glucose over the preceding 6-8 weeks. Any condition that alters the life span of the red blood cells has the potential to alter the GHb level. Samples from patients with hemolytic anemias will exhibit decreased glycated hemoglobin values due to the shortened life span of the red cells. This effect will depend upon the severity of the anemia. Samples from patients with polycythemia or post-splenectomy may exhibit increased glycated hemoglobin values due to a somewhat longer life span of the red cells. Glycosylated hemoglobins results from patients with HbSS, HbCC, and HbSC and HbD must be interpreted with caution, given the pathological processes, including anemia, increased red cell turnover, transfusion requirements, that adversely impact HbA1c as a marker of long-term glycemic control. In these conditions, alternative forms of texting a negative advectory of space and the space of the space

"Targets should be individualized; More or less stringent glycemic goals may be appropriate for individual patients. Goals should be individualized based on duration of

diabetes, age/life expectancy, comorbid conditions, known CVD or advanced microvascular complications, hypoglycemia unawareness, and individual patient considerations.









DIAGNOSTIC REPORT

**CLIENT'S NAME AND ADDRESS :** ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHT NEW DELHI 110030 DELHI INDIA

SRL Ltd
SRL Wellness Centre, SCO. 13, Sector 16 Market, Faridabad
FARIDABAD, 121001
Haryana, INDIA
Tel : 9111591115, Fax :
CIN - U74899PB1995PLC045956

Test Report Status <u>Final</u>	Results	Biological Reference Interval Units
REFERRING DOCTOR : SELF		CLIENT PATIENT ID :
DRAWN :	RECEIVED : 11/06/2022 09:23	REPORTED : 13/06/2022 11:50
ACCESSION NO : 0071VF000316	AGE : 32 Years SEX : Male	
PATIENT NAME : VIVEK SINGH		PATIENT ID : VIVEM23088971

References

8800465156

1. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, edited by Carl A Burtis, Edward R.Ashwood, David E Bruns, 4th Edition, Elsevier publication, 2006. 879-884.

 Forsham PH. Diabetes Mellitus: A rational plan for management. Postgrad Med 1982, 71,139-154.
Mayer TK, Freedman ZR: Protein glycosylation in Diabetes Mellitus: A review of laboratory measurements and their clinical utility. Clin Chim Acta 1983, 127, 147-184. GLUCÓSE, POST-PRANDIAL, PLASMA-ADA Guidelines for 2hr post prandial glucose levels is only after ingestion of 75 grams of glucose in 300 ml water, over a period of 5 minutes.

CORONARY RISK PROFILE (LIPID PROFILE), SERUM-

Serum cholesterol is a blood test that can provide valuable information for the risk of coronary artery disease This test can help determine your risk of the build up of plaques in your arteries that can lead to narrowed or blocked arteries throughout your body (atherosclerosis). High cholesterol levels usually don't cause any signs or symptoms, so a cholesterol test is an important tool. High cholesterol levels often are a significant risk factor for heart disease and important for diagnosis of hyperlipoproteinemia, atherosclerosis, hepatic and thyroid diseases.

Serum Triglyceride are a type of fat in the blood. When you eat, your body converts any calories it doesn't need into triglycerides, which are stored in fat cells. High triglyceride levels are associated with several factors, including being overweight, eating too many sweets or drinking too much alcohol, smoking, being sedentary, or having diabetes with elevated blood sugar levels. Analysis has proven useful in the diagnosis and treatment of patients with diabetes mellitus, nephrosis, liver obstruction, other diseases involving lipid metabolism, and various endocrine disorders. In conjunction with high density lipoprotein and total serum cholesterol, a trialyceride determination provides valuable information for the assessment of coronary heart disease risk. It is done in fasting state.

High-density lipoprotein (HDL) cholesterol. This is sometimes called the ""good"" cholesterol because it helps carry away LDL cholesterol, thus keeping arteries open and blood flowing more freely.HDL cholesterol is inversely related to the risk for cardiovascular disease. It increases following regular exercise, moderate alcohol consumption and with oral estrogen therapy. Decreased levels are associated with obesity, stress, cigarette smoking and diabetes mellitus.

SERUM LDL The small dense LDL test can be used to determine cardiovascular risk in individuals with metabolic syndrome or established/progressing coronary artery disease, individuals with triglyceride levels between 70 and 140 mg/dL, as well as individuals with a diet high in trans-fat or carbohydrates. Elevated sdLDL levels are associated with metabolic syndrome and an 'atherogenic lipoprotein profile', and are a strong, independent predictor of cardiovascular disease Elevated levels of LDL arise from multiple sources. A major factor is sedentary lifestyle with a diet high in saturated fat. Insulin-resistance and pre-diabetes have also been implicated, as has genetic predisposition. Measurement of sdLDL allows the clinician to get a more comprehensive picture of lipid risk factors and tailor treatment accordingly. Reducing LDL levels will reduce the risk of CVD and MI.

Non HDL Cholesterol - Adult treatment panel ATP III suggested the addition of Non-HDL Cholesterol as an indicator of all atherogenic lipoproteins (mainly LDL and VLDL). NICE guidelines recommend Non-HDL Cholesterol measurement before initiating lipid lowering therapy. It has also been shown to be a better marker of risk in both primary and secondary prevention studies.

Recommendations:

Results of Lipids should always be interpreted in conjunction with the patient's medical history, clinical presentation and other findings.

NON FASTING LIPID PROFILE includes Total Cholesterol, HDL Cholesterol and calculated non-HDL Cholesterol. It does not include triglycerides and may be best used in patients for whom fasting is difficult. LIVER FUNCTION PROFILE, SERUM-

LIVER FUNCTION PROFILE

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, parcreatifis, 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, Paget's disease,Rickets,Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia,Malnutrition,Protein deficiency,Wilson's 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. Serum 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, Waldenstrom's disease. Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-losing enteropathy etc. 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 SERUM BLOOD UREA NITROGEN-





DIAGNOSTIC REPORT	ent Ref. No. 71000000301552		<b>ESRL</b>
CLIENT CODE: C000138381			Diagnostics
<b>CLIENT'S NAME AND ADDRESS :</b> ACROFEMI HEALTHCARE LTD ( MEDIWHEEL ) 703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 3800465156	FARI Hary Tel :	Ltd Wellness Centre, SCO. 13,Sector 16 DABAD, 121001 ana, INDIA 9111591115, Fax : - U74899PB1995PLC045956	
PATIENT NAME : VIVEK SINGH		PATIENT ID :	VIVEM23088971
ACCESSION NO : 0071VF000316 A	GE: 32 Years SEX: Male		
DRAWN :	RECEIVED : 11/06/2022 09:23	REPORTED : 13/06/202	22 11:50
REFERRING DOCTOR : SELF		CLIENT PATIENT ID	:
Test Report Status <u>Final</u>	Results	Biological Reference 1	Interval Units
Pre renal • High protein diet, Increased protein catabolism, Gi • Renal Failure Post Renal • Malignancy, Nephrolithiasis, Prostatism Causes of decreased levels • Liver disease • SIADH. CREATININE, SERUM- Higher than normal level may be due to: • Blockage in the urinary tract • Muscle problems, such as breakdown of muscle fibe • Problems during pregnancy, such as seizures (eclan Lower than normal level may be due to: • Myasthenia Gravis • Muscular dystrophy JRIC ACID, SERUM- Causes of Increased levels Dietary • High Protein Intake. • Prolonged Fasting, • Rapid weight loss. Gout Easth nyhan syndrome. Fype 2 DM. Metabolic syndrome. Causes of decreased levels • Low Zinc Intake • OCP's • Multiple Sclerosis	infection, or reduced blood flow rs		

High Fibre foodsVit C Intake

- Antioxidant rich foods
- TOTAL PROTEIN, SERUM-

Serum 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 alobulin

Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom's 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. ELECTROLYTES (NA/K/CL), SERUM-

Sodium levels are Increased in dehydration, cushing's syndrome, aldosteronism & decreased in Addison's disease, hypopituitarism, liver disease. Hypokalemia (low K) is common in vomiting, diarrhea, alcoholism, folic acid deficiency and primary aldosteronism. Hyperkalemia may be seen in end-stage renal failure, hemolysis, trauma, Addison's disease, metabolic acidosis, acute starvation, dehydration, and with rapid K infusion. Chloride is increased in dehydration, renal tubular acidosis (hyperchloremia metabolic acidosis), acute renal failure, metabolic acidosis associated with prolonged diarrhea and loss of sodium bicarbonate, diabetes insipidus, adrenocortical hyperfuction, salicylate intoxication and with excessive infusion of isotonic saline or extremely high dietary intake of salt. Chloride is decreased in overhydration, chronic respiratory acidosis, salt-losing nephritis, metabolic alkalosis, congestive heart failure, Addisonian crisis, certain types of metabolic acidosis, persistent gastric secretion and

prolonged vomiting, THYROID PANEL, SERUM-

Triiodothyronine T3, is a thyroid hormone. It affects 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. Thyroxine T4, Thyroxine's principal function is to stimulate the metabolism of all cells and tissues in the body. Excessive secretion of thyroxine in the body is





Test Report Status Final Results	Biological Reference Interval Units
REFERRING DOCTOR : SELF	CLIENT PATIENT ID :
DRAWN : RECEIVED : 11/06/2022 09:23	REPORTED : 13/06/2022 11:50
PATIENT NAME : VIVEK SINGH     ACCESSION NO :   0071VF000316   AGE :   32 Years   SEX : Male	PATIENT ID : VIVEM23088971
SOUTH WEST DELHI NEW DELHI 110030 Hary DELHI INDIA Tel :	Ltd Wellness Centre, SCO. 13,Sector 16 Market, Faridabad DABAD, 121001 ana, INDIA 9111591115, Fax : - U74899PB1995PLC045956
Patient Ref. No. 71000000301552       CLIENT CODE :     C000138381	<b>⊆⊃∩⊥</b> Diagnostics

hyperthyroidism, and deficient secretion is called 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. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.

SH & Total T3

in primary hypothyre		is are significantly er	evaluation, while in second	ary and co
Below mentioned are	the guidelines f	or Pregnancy related	I reference ranges for T	otal T4, TS
Levels in	TOTAL T4	TSH3G	TOTAL T3	
Pregnancy	(µg/dL)	(µIU/mL)	(ng/dL)	
First Trimester	6.6 - 12.4	0.1 - 2.5	81 - 190	
2nd Trimester	6.6 - 15.5	0.2 - 3.0	100 - 260	
3rd Trimester	6.6 - 15.5	0.3 - 3.0	100 - 260	
Below mentioned are	the guidelines f	or age related refere	ence ranges for T3 and	T4.
Т3		T4		
(ng/dL)		(µg/dL)		
New Born: 75 - 260	1-3 d	ay: 8.2 - 19.9		
	1 Week	: 6.0 - 15.9		

<u>Final</u>

NOTE: TSH concentrations in apparently normal euthyroid subjects are known to be highly skewed, with a strong tailed distribution towards higher TSH values. This is well documented in the pediatric population including the infant age group. Kindly note: Method specific reference ranges are appearing on the report under biological reference range.

#### Reference:

1. Burtis C.A., Ashwood E. R. Bruns D.E. Teitz textbook of Clinical Chemistry and Molecular Diagnostics, 4th Edition.

Gowenlock A.H. Varley's Practical Clinical Biochemistry, 6th Edition.
Behrman R.E. Kilegman R.M., Jenson H. B. Nelson Text Book of Pediatrics, 17th Edition

STOOL: OVA & PARASITE-

DIAGNOSTIC REPORT

Acute infective diarrhoea and gastroenteritis (diarrhoea with vomiting) are major causes of ill health and premature death in developing countries. Loss of water and electrolytes from the body can lead to severe dehydration which if untreated, can be rapidly fatal in young children, especially that are malnourished, hypoglycaemic, and generally in poor health.

Laboratory diagnosis of parasitic infection is mainly based on microscopic examination and the gross examination of the stool specimen. Depending on the nature of the parasite, the microscopic observations include the identification of cysts, ova, trophozoites, larvae or portions of adult structure. The two classes of parasites that cause human infection are the Protozoa and Helminths. The protozoan infections include amoebiasis mainly caused by Entamoeba histolytica and giardiasis caused by Giardia lamblia. The common helminthic parasites are Trichuris trichiura, Ascaris lumbricoides, Strongyloides stercoralis, Taenia sp. etc 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. MEDICAL

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 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.





Test Report Status	inal	Results			Units
REFERRING DOCTOR : SE	ELF		CLIENT F	PATIENT ID	:
DRAWN :	RECEIVED : 1	1/06/2022 09:23	REPORTED :	13/06/202	22 11:50
PATIENT NAME : VIVE	K SINGH F000316 AGE : 32 Year	rs SEX : Male	ΡΑΤΙ	ENT ID :	VIVEM23088971
CLIENT'S NAME AND ADDF ACROFEMI HEALTHCARE LTD F-703, LADO SARAI, MEHRAU SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 8800465156	(MEDIWHEEL)	FARIDA Haryana Tel : 91	llness Centre, SCO. 13, BAD, 121001 a, INDIA 11591115, Fax : 74899PB1995PLC04595		Market, Faridabad
CLIENT CODE: C0001383	Patient Ref. No. 7: 81	<u>1000000301552</u>			Diagnostics
DIAGNOSTIC REPO					<b>SRL</b>

ULTRASOUND ABDOMEN ULTRASOUND ABDOMEN REPORT ENCLOSED

> \*\*End Of Report\*\* Please visit www.srlworld.com for related Test Information for this accession

Dr. Arpita Roy, MD Section Head-Hematology



■||| 副始めはないなどのないない。

Dr. Mamta Kumari, MBBS, MD **Consultant Microbiologist** 



Dr. Chandan Hazarika Microbiologist



## **CONDITIONS OF LABORATORY TESTING & REPORTING**

1. It is presumed that the test sample belongs to the patient named or identified in the test requisition form. 2. All Tests are performed and reported as per the turnaround time stated in the SRL Directory of services (DOS).

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

4. A requested test might not be performed if:

a. Specimen received is insufficient or inappropriate specimen quality is unsatisfactory

b. Incorrect specimen type

c. Request for testing is withdrawn by the ordering doctor or patient

d. There is a discrepancy between the label on the specimen container and the name on the test requisition form

5. The results of a laboratory test are dependent on the quality of the sample as well as the assay technology. 6. Result delays could be because of uncontrolled circumstances. e.g. assay run failure.

7. Tests parameters marked by asterisks are excluded from the "scope" of NABL accredited tests. (If laboratory is accredited).

8. Laboratory results should be correlated with clinical information to determine Final diagnosis.

9. Test results are not valid for Medico- legal purposes. 10. In case of queries or unexpected test results please call at SRL customer care (Toll free: 1800-222-000). Post proper investigation repeat analysis may be carried out.

SRL Limited Fortis Hospital, Sector 62, Phase VIII, Mohali 160062



