



CLIENT CODE: C000138396 **CLIENT'S NAME AND ADDRESS:**

ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, F-703, LADO SARAI, MEHRAULI

SOUTH WEST DELHI NEW DELHI 110030 **DELHI INDIA** 8800465156

SRL Ltd

57, Cowley Brown Road, R S Puram

COIMBATORE, 641002 TAMILNADU, İNDIA

Tel: 9111591115, Fax: CIN - U74899PB1995PLC045956

Email: customercare.coimbatore@srl.in

13.0 - 17.0

0 - 14

High 74 - 99

PATIENT NAME: KRISHNA CHANDRA SAGAR

KRISM271288183

g/dL

ACCESSION NO: **0183VK000188** AGE: 33 Years

ABHA NO:

REPORTED: 16/11/2022 12:25

DRAWN: 03/11/2022 00:00

RECEIVED: 03/11/2022 10:09

14.5

CLIENT PATIENT ID:

PATIENT ID:

Test Report Status

HEMOGLOBIN (HB)

<u>Final</u>

REFERRING DOCTOR: DR. BANK OF BARODA

BLOOD COUNTS, EDTA WHOLE BLOOD

Results

SEX: Male

Biological Reference Interval Units

MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

` ,				•
RED BLOOD CELL (RBC) COUNT	5.67	High	4.5 - 5.5	mil/μL
WHITE BLOOD CELL (WBC) COUNT	7.00		4.0 - 10.0	thou/µL
PLATELET COUNT	279		150 - 410	thou/µL
RBC AND PLATELET INDICES				
HEMATOCRIT (PCV)	50.6	High	40 - 50	%
MEAN CORPUSCULAR VOLUME (MCV)	89.0		83 - 101	fL
MEAN CORPUSCULAR HEMOGLOBIN (MCH)	25.6	Low	27.0 - 32.0	pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC)	28.7	Low	31.5 - 34.5	g/dL
RED CELL DISTRIBUTION WIDTH (RDW)	12.1		11.6 - 14.0	%
MENTZER INDEX	15.7			
MEAN PLATELET VOLUME (MPV)	7.4		6.8 - 10.9	fL
WBC DIFFERENTIAL COUNT				
NEUTROPHILS	62		40 - 80	%
LYMPHOCYTES	30		20 - 40	%
MONOCYTES	4		2 - 10	%
EOSINOPHILS	3		1 - 6	%
BASOPHILS	1		< 1 - 2	%
ABSOLUTE NEUTROPHIL COUNT	4.34		2.0 - 7.0	thou/µL
ABSOLUTE LYMPHOCYTE COUNT	2.1		1.0 - 3.0	thou/µL
ABSOLUTE MONOCYTE COUNT	0.28		0.2 - 1.0	thou/µL
ABSOLUTE EOSINOPHIL COUNT	0.21		0.02 - 0.50	thou/µL
ABSOLUTE BASOPHIL COUNT	0.07		0.02 - 0.10	thou/µL
NEUTROPHIL LYMPHOCYTE RATIO (NLR)	2.1			

12

FBS (FASTING BLOOD SUGAR) 115

GLUCOSE FASTING, FLUORIDE PLASMA

ERYTHROCYTE SEDIMENTATION RATE (ESR), WHOLE

GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE

BLOOD

BLOOD E.S.R





mm at 1 hr

mg/dL

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Tel: 9111591115, Fax: CIN - U74899PB1995PLC045956

PATIENT ID:

Email: customercare.coimbatore@srl.in

PATIENT NAME: KRISHNA CHANDRA SAGAR

ACCESSION NO: **0183VK000188** AGE: 33 Years SEX: Male ABHA NO:

DRAWN: 03/11/2022 00:00 RECEIVED: 03/11/2022 10:09 REPORTED: 16/11/2022 12:25

REFERRING DOCTOR: DR. BANK OF BARODA CLIENT PATIENT ID:

Test Report Status <u>Final</u>	Results		Biological Reference Interv	al Units
HBA1C	6.0	High	Non-diabetic: < 5.7 Pre-diabetics: 5.7 - 6.4 Diabetics: > or = 6.5 ADA Target: 7.0 Action suggested: > 8.0	%
METHOD: TURBIDIMETRIC IMMUNOINHIBITION (TINIA) ASSAY ESTIMATED AVERAGE GLUCOSE(EAG)	125.5	High	< 116.0	mg/dL
GLUCOSE, POST-PRANDIAL, PLASMA				9/
PPBS(POST PRANDIAL BLOOD SUGAR)	133		70 - 139	mg/dL
LIPID PROFILE, SERUM				<u>.</u>
CHOLESTEROL, TOTAL	218	High	< 200 Desirable 200 - 239 Borderline High >/= 240 High	mg/dL
TRIGLYCERIDES	186	High	< 150 Normal 150 - 199 Borderline High 200 - 499 High >/=500 Very High	mg/dL
METHOD: SPECTROPHOTOMETRY, ENZYMATIC ENDPOINT				
HDL CHOLESTEROL METHOD : DIRECT MEASURE - PEG	47		< 40 Low >/=60 High	mg/dL
CHOLESTEROL LDL	134	High	< 100 Optimal 100 - 129 Near optimal/ above optimal 130 - 159 Borderline High 160 - 189 High >/= 190 Very High	mg/dL
NON HDL CHOLESTEROL	171	High	Desirable: Less than 130 Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220	mg/dL
CHOL/HDL RATIO	4.6	High	3.3 - 4.4 Low Risk 4.5 - 7.0 Average Risk 7.1 - 11.0 Moderate Risk > 11.0 High Risk	
LDL/HDL RATIO	2.9		0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate >6.0 High Risk	Risk
VERY LOW DENSITY LIPOPROTEIN LIVER FUNCTION PROFILE, SERUM	37.2	High	= 30.0</td <td>mg/dL</td>	mg/dL

LIVER FUNCTION PROFILE, SERUM









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DILIDINI TOTAL		0.60		0.2 1.0	ma/dl
BILIRUBIN, TOTAL BILIRUBIN, DIRECT		0.20		0.2 - 1.0 0.0 - 0.2	mg/dL
					mg/dL
BILIRUBIN, INDIRECT		0.4		0.1 - 1.0	mg/dL
TOTAL PROTEIN		7.6		6.4 - 8.2	g/dL
METHOD: BIURET REACTION, ALBUMIN	END POINT	4.1		3.4 - 5.0	a /dl
METHOD: BCP DYE BINDING	/ CDECTORHOTOMETER	4.1		3.4 - 3.0	g/dL
GLOBULIN	/ SPECIOPHOTOMETER	3.5		2.0 - 4.1	g/dL
ALBUMIN/GLOBULIN RA	ПΟ	1.2		1.0 - 2.1	RATIO
,					
ASPARTATE AMINOTRAN METHOD: UV WITH PYRIDOXA	ISPERASE (ASI/SGUT) AL 5 PHOSPHATE / SPECTROPHOTOM	26 IETER		15 - 37	U/L
ALANINE AMINOTRANSF		56	High	< 45.0	U/L
	AL 5 PHOSPHATE / SPECTROPHOTOM				-,
ALKALINE PHOSPHATAS	E	52		30 - 120	U/L
METHOD : IFCC PNPP WITH AN	MP BUFFER				
GAMMA GLUTAMYL TRAN	NSFERASE (GGT)	29		15 - 85	U/L
LACTATE DEHYDROGENA	ASE	158		100 - 190	U/L
METHOD : LACTATE PYRUVATE	UV/ L.LACTATE / SPECTOPHOTOME	TER			
BLOOD UREA NITROG	EN (BUN), SERUM				
BLOOD UREA NITROGEN	I	12		6 - 20	mg/dL
CREATININE, SERUM					
CREATININE		0.97		0.90 - 1.30	mg/dL
METHOD : PICRATE/ JAFFE / S	PECTOPHOTOMETER				
BUN/CREAT RATIO					
BUN/CREAT RATIO		12.37		5.00 - 15.00	
URIC ACID, SERUM					
URIC ACID		5.1		3.5 - 7.2	mg/dL
TOTAL PROTEIN, SER	UM				
TOTAL PROTEIN		7.6		6.4 - 8.2	g/dL
METHOD : BIURET REACTION,	END POINT				
ALBUMIN, SERUM					
ALBUMIN		4.1		3.4 - 5.0	g/dL
METHOD : BCP DYE BINDING	/ SPECTOPHOTOMETER				
GLOBULIN					
GLOBULIN		3.5		2.0 - 4.1	g/dL
ELECTROLYTES (NA/K	(/CL), SERUM				



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SODIUM	136.9	136 - 145	mmol/L	
			•	
POTASSIUM	4.55	3.50 - 5.10	mmol/L	
CHLORIDE	107.3	High 98 - 107	mmol/L	
PHYSICAL EXAMINATION, URINE				
COLOR	PALE YELLOW			
APPEARANCE	CLEAR			
SPECIFIC GRAVITY	1.020	1.003 - 1.035		
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		
LEUKOCYTE ESTERASE	NOT DETECTED	NOT DETECTED		
MICROSCOPIC EXAMINATION, URINE				
PUS CELL (WBC'S)	3-5	0-5	/HPF	
EPITHELIAL CELLS	1-2	0-5	/HPF	
ERYTHROCYTES (RBC'S)	NOT DETECTED	NOT DETECTED	/HPF	
CASTS	NOT DETECTED			
CRYSTALS	NOT DETECTED			
BACTERIA	NOT DETECTED	NOT DETECTED		
YEAST	NOT DETECTED	NOT DETECTED		

Comments

URINALYSIS: - MICROSCOPIC EXAMINATION OF URINE IS CARRIED OUT ON CENTRIFUGED URINARY SEDIMENT.

THYROID PANEL, SERUM

ТЗ	110.0	80.00 - 200.00	ng/dL
METHOD: ELECTROCHEMILUMINESCENCE IMMUNO ASSAY			
T4	6.84	5.10 - 14.10	μg/dL
METHOD: ELECTROCHEMILUMINESCENCE IMMUNO ASSAY			
TSH 3RD GENERATION	1.420	0.270 - 4.200	μIU/mL

METHOD: ELECTROCHEMILUMINESCENCE IMMUNO ASSAY





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PATIENT ID:

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PATIENT NAME: KRISHNA CHANDRA SAGAR

33 Years ACCESSION NO: 0183VK000188 AGE: SEX: Male

ABHA NO:

DRAWN: 03/11/2022 00:00 RECEIVED: 03/11/2022 10:09 REPORTED: 16/11/2022 12:25

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

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 hyporthyroidism, TSH levels are low. owidctlparowidctlparBelow 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.

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

ACIDIC

STOOL: OVA & PARASITE

COLOUR BROWN

CONSISTENCY WELL FORMED

MUCUS NOT DETECTED NOT DETECTED

VISIBLE BLOOD **ABSENT** ABSENT



ODOUR







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Test Report Status <u>Final</u>	Results	Biological Reference	Interval Units		
	2 2	0 5	(1105		
POLYMORPHONUCLEAR LEUKOCYTES	2 - 3	0 - 5	/HPF		
RED BLOOD CELLS	NOT DETECTED	NOT DETECTED	/HPF		
MACROPHAGES	NOT DETECTED	NOT DETECTED			
CHARCOT-LEYDEN CRYSTALS	NOT DETECTED	NOT DETECTED			
TROPHOZOITES	NOT DETECTED	NOT DETECTED			
CYSTS	NOT DETECTED	NOT DETECTED			
OVA	NOT DETECTED				
LARVAE	NOT DETECTED	NOT DETECTED			
ADULT PARASITE	NOT DETECTED				
OCCULT BLOOD	NOT DETECTED	NOT DETECTED			
ABO GROUP & RH TYPE, EDTA WHOLE BL					
ABO GROUP	TYPE O				
RH TYPE	POSITIVE				
KRAY-CHEST					
»»		BOTH THE LUNG FIELDS ARE CLEAR BOTH THE COSTOPHRENIC AND CARIOPHRENIC ANGELS ARE CLEAR			
»»			GELS ARE CLEAR		
»»	BOTH THE HILA ARE I				
»»		C SHADOWS APPEAR NORMAL			
»»		THE DIAPHRAM ARE NORMAL			
»»	VISUALIZED BONY TH	HORAX IS NORMAL			
IMPRESSION	NO ABNORMALITY DE	TECTED			
FMT OR ECHO					
IMT OR ECHO	DONE				
ECG					
ECG	WITHIN NORMAL LIM	ITS			
MEDICAL HISTORY					
RELEVANT PRESENT HISTORY	NOT SIGNIFICANT	NOT SIGNIFICANT			
RELEVANT PAST HISTORY	NOT SIGNIFICANT	NOT SIGNIFICANT			
RELEVANT PERSONAL HISTORY	MARRIED	MARRIED			
RELEVANT FAMILY HISTORY	FATHER IS A K/C/O D	FATHER IS A K/C/O DM			
OCCUPATIONAL HISTORY	NOT SIGNIFICANT	NOT SIGNIFICANT			
HISTORY OF MEDICATIONS	NOT SIGNIFICANT				
ANTHROPOMETRIC DATA & BMI					

1.68



HEIGHT IN METERS



mts





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WEIGHT IN I/CC	03	V
WEIGHT IN KGS.	82	Kgs
ВМІ	29	BMI & Weight Status as follows: kg/sqmts Below 18.5: Underweight 18.5 - 24.9: Normal 25.0 - 29.9: Overweight 30.0 and Above: Obese
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

THYROID GLAND NOT ENLARGED

CAROTID PULSATION NORMAL BREAST (FOR FEMALES) NORMAL TEMPERATURE NORMAL

PULSE 62/MINS, REGULAR, ALL PERIPHERAL PULSES WELL FELT, NO CAROTID

BRUIT

RESPIRATORY RATE NORMAL

CARDIOVASCULAR SYSTEM

BP 110/70 MM HG mm/Hg (SITTING)

NORMAL NORMAL NORMAL

ARSENT

RESPIRATORY SYSTEM

PERICARDIUM

HEART SOUNDS

APEX BEAT

MURMURS

SIZE AND SHAPE OF CHEST

MOVEMENTS OF CHEST

BREATH SOUNDS INTENSITY

NORMAL

NORMAL

BREATH SOUNDS QUALITY VESICULAR (NORMAL)

ADDED SOUNDS ABSENT









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

PER ABDOMEN

APPEARANCE NORMAL VENOUS PROMINENCE ABSENT

LIVER NOT PALPABLE SPLEEN NOT PALPABLE

HERNIA NORMAL

CENTRAL NERVOUS SYSTEM

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 6/9 DISTANT VISION LEFT EYE WITHOUT GLASSES 6/9 NEAR VISION RIGHT EYE WITHOUT GLASSES N6 NEAR VISION LEFT EYE WITHOUT GLASSES N6

BASIC ENT EXAMINATION

COLOUR VISION

EXTERNAL EAR CANAL NORMAL TYMPANIC MEMBRANE NORMAL

NOSE NO ABNORMALITY DETECTED

NORMAL

SINUSES NORMAL

THROAT NO ABNORMALITY DETECTED

TONSILS NOT ENLARGED

BASIC DENTAL EXAMINATION









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Test Report Status

<u>Final</u>

Results

NOT SIGNIFICANT

NORMAL

HEALTHY

Biological Reference Interval Units

GUMS

TFFTH

SUMMARY

RELEVANT HISTORY

RELEVANT GP EXAMINATION FINDINGS

RELEVANT LAB INVESTIGATIONS

RELEVANT NON PATHOLOGY DIAGNOSTICS REMARKS / RECOMMENDATIONS

FITNESS STATUS

FITNESS STATUS

NOT SIGNIFICANT

PRE DIABETIC, BODERLINE DYSLIPIDEMIA.

USG ABDOMEN AND PELVIS: DIFFUSE FATTY INFILTRATION OF LIVER PRE DIABETIC, BODERLINE DYSLIPIDEMIA. - ADVICE TO AVOID FRIED

AND OILY FOODS, TO DO REGULAR PHYSICAL EXERCISE.

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

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

Erythrocyte 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 inflammatory condition.CRP is superior to ESR because it is more sensitive and reflects a more rapid change.

TEST INTERPRETATION

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

Finding a very accelerated ESR(>100 mm/hour) in patients with ill-defined symptoms directs the physician to search for a systemic disease (Paraproteinemias,

Disseminated malignancies, connective tissue disease, severe infections such as bacterial endocarditis).

In pregnancy BRI in first trimester is 0-48 mm/hr(62 if anemic) and in second trimester (0-70 mm /hr(95 if anemic). ESR returns to normal 4th week post partum.

Decreased in: Polycythermia vera, Sickle cell anemia

LIMITATIONS

False elevated ESR: Increased fibrinogen, Drugs(Vitamin A, Dextran etc), Hypercholesterolemia

False Decreased: Poikilocytosis, (SickleCells, spherocytes), Microcytosis, Low fibrinogen, Very high WBC counts, Drugs (Quinine, salicylates)

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,FLUORIDE PLASMA-**TEST DESCRIPTION**

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





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CLIENT CODE: C000138396

CLIENT'S NAME AND ADDRESS:

ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, F-703, LADO SARAI, MEHRAULI

SOUTH WEST DELHT **NEW DELHI 110030 DELHI INDIA** 8800465156

ACCESSION NO:

SRL Ltd

57, Cowley Brown Road, R S Puram

COIMBATORE, 641002 TAMILNADU, ÍNDIA

Tel: 9111591115, Fax: CIN - U74899PB1995PLC045956

Email: customercare.coimbatore@srl.in

PATIENT NAME: KRISHNA CHANDRA SAGAR

PATIENT ID:

KRISM271288183

0183VK000188

AGE: 33 Years SEX: Male ABHA NO:

DRAWN: 03/11/2022 00:00 RECEIVED: 03/11/2022 10:09 REPORTED:

16/11/2022 12:25

REFERRING DOCTOR: DR. BANK OF BARODA

CLIENT PATIENT ID:

Test Report Status <u>Final</u>

Biological Reference Interval Units

Increased in

Diabetes mellitus, Cushing's syndrome (10 - 15%), chronic pancreatitis (30%), Drugs; corticosteroids, phenytoin, estrogen, thiazides,

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

Results

Hypoglycemia is defined as a glucoseof < 50 mg/dL in men and < 40 mg/dL in women.

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.

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:

I.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.

II.Vitamin C & E are reported to falsely lower test results.(possibly by inhibiting glycation of hemoglobin.

III.Iron deficiency anemia is reported to increase test results. Hypertriglyceridemia, uremia, hyperbilirubinemia, chronic alcoholism, chronic ingestion of salicylates & opiates addiction are reported to interfere with some assay methods, falsely increasing results. IV.Interference of hemoglobinopathies in HbA1c estimation is seen in

a.Homozygous hemoglobinopathy. Fructosamine is recommended for testing of HbA1c. b.Heterozygous state detected (D10 is corrected for HbS & HbC trait.)

c.HbF > 25% on alternate paltform (Boronate affinity chromatography) is recommended for testing of HbA1c.Abnormal Hemoglobin electrophoresis (HPLC method) is recommended for detecting a hemoglobinopathy

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-

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, 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, is chemia 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 albudin. 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
BLOOD UREA NITROGEN (BUN), SERUM-Causes of Increased levels include Pre renal (High protein diet, Increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal), Renal Failure, Post Renal (Malignancy, Nephrolithiasis, Prostatism)

Causes of decreased level include Liver disease, SIADH.
CREATININE, SERUM-Higher than normal level may be due to:



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CLIENT CODE: C000138396

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COIMBATORE, 641002 TAMILNADU, İNDIA

Tel: 9111591115, Fax: CIN - U74899PB1995PLC045956

Email: customercare.coimbatore@srl.in

PATIENT NAME: KRISHNA CHANDRA SAGAR

PATIENT ID:

KRISM271288183

ACCESSION NO:

0183VK000188 AGE: SEX: Male

ABHA NO:

REPORTED:

16/11/2022 12:25

DRAWN: 03/11/2022 00:00

RECEIVED: 03/11/2022 10:09

33 Years

CLIENT PATIENT ID:

REFERRING DOCTOR: DR. BANK OF BARODA **Test Report Status**

<u>Final</u>

Results

Biological Reference Interval Units

• 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
- Muscular dystrophy 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

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. 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.

ABO GROUP & RH TYPE, EDTA WHOLE BLOODBlood 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.

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 infestyles 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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Email: customercare.coimbatore@srl.in

PATIENT NAME: KRISHNA CHANDRA SAGAR

PATIENT ID:

KRISM271288183

 $\mathsf{AGE}: \quad \mathsf{33} \; \mathsf{Years} \qquad \mathsf{SEX}: \; \mathsf{Male}$

ABHA NO:

DRAWN: 03/11/2022 00:00

ACCESSION NO: 0183VK000188

RECEIVED: 03/11/2022 10:09

REPORTED: 16/11/2022 12:25

REFERRING DOCTOR: DR. BANK OF BARODA

CLIENT PATIENT ID:

Test Report Status

<u>Final</u>

Results

Units

MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

ULTRASOUND ABDOMEN
ULTRASOUND ABDOMEN

DIFFUSE FATTY INFILTRATION OF LIVER

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



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.
- 3. 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.
- 4. A requested test might not be performed if:
 - i. Specimen received is insufficient or inappropriate
 - ii. Specimen quality is unsatisfactory
 - iii. Incorrect specimen type
 - iv. Discrepancy between identification on specimen container label and test requisition form

- 5. SRL confirms that all tests have been performed or assayed with highest quality standards, clinical safety & technical integrity.
- 6. Laboratory results should not be interpreted in isolation; it must be correlated with clinical information and be interpreted by registered medical practitioners only to determine final diagnosis.
- 7. Test results may vary based on time of collection, physiological condition of the patient, current medication or nutritional and dietary changes. Please consult your doctor or call us for any clarification.
- 8. Test results cannot be used for Medico legal purposes.
- 9. In case of queries please call customer care (91115 91115) within 48 hours of the report.

SRL Limited

Fortis Hospital, Sector 62, Phase VIII, Mohali 160062





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