

PATIENT NAME : SAVITA AGARWAL

REF. DOCTOR : SELF

CODE/NAME & ADDRESS : C000138376

ACROFEMI HEALTHCARE LTD (MEDIWHEEL)
F-703, LADO SARAI, MEHRAULISOUTH WEST
DELHINEW DELHI 110030
8800465156

ACCESSION NO : 0062WC000660

PATIENT ID : SAVIF02097262

CLIENT PATIENT ID:

ABHA NO :

AGE/SEX : 50 Years Female

DRAWN :

RECEIVED : 07/03/2023 09:07:44

REPORTED : 09/03/2023 13:42:16

Test Report Status **Final**

Results

Biological Reference Interval Units

MEDI WHEEL FULL BODY HEALTH CHECKUP ABOVE 40FEMALE**XRAY-CHEST**

>>>

BOTH THE LUNG FIELDS ARE CLEAR

>>>

BOTH THE COSTOPHRENIC AND CARIOPHRENIC ANGELS ARE CLEAR

>>>

BOTH THE HILA ARE NORMAL

>>>

CARDIAC AND AORTIC SHADOWS APPEAR NORMAL

>>>

BOTH THE DOMES OF THE DIAPHRAM ARE NORMAL

>>>

VISUALIZED BONY THORAX IS NORMAL

IMPRESSION

NO ABNORMALITY DETECTED

TMT OR ECHO

TMT OR ECHO

NEGATIVE

ECG

ECG

WITHIN NORMAL LIMITS

MAMOGRAPHY (BOTH BREASTS)

MAMOGRAPHY BOTH BREASTS

Sonography examination of both breasts

High resolution examination of the both breasts was done in all the quadrants using the clock mode of examination, in both the radial and anti radial planes.

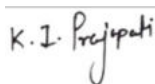
Clinical Indication: Routine screening, no complaints
Previous records- no

Both breast parenchyma shows normal fibroglandular parenchyma. Few small round to oval shaped hypoechoic lesions are seen in right breast. These show circumscribed margins, however, some are lobulated. Largest lesion in right breast measures 21x10.2mm at 2'0 clock position. An anechoic thin walled cyst of size ~25x14mm is noted in right breast at 12'0 clock position in periareolar region. No focal lesion/ductal dilatation seen on left side. No significant axillary lymph nodes seen. Axillary vessels are normal.

Right breast- BIRADS 3

Left breast- BIRADS 1

Management recommendation- Follow up is suggested.



Dr. Kamlesh I Prajapati
Consultant Pathologist

Page 1 Of 22



View Details



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SRL Ltd
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NEW DELHI, 110085
NEW DELHI, INDIA
Tel : 9111591115, Fax :
CIN - U74899PB1995PLC045956



Patient Ref. No. 77500002534234

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CODE/NAME & ADDRESS : C000138376

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MEDICAL HISTORY

RELEVANT PRESENT HISTORY	NOT SIGNIFICANT
RELEVANT PAST HISTORY	NOT SIGNIFICANT
RELEVANT PERSONAL HISTORY	MARRIED, VEG
MENSTRUAL HISTORY (FOR FEMALES)	NOT SIGNIFICANT
LMP (FOR FEMALES)	3 YRS
OBSTETRIC HISTORY (FOR FEMALES)	P1A0L1, LSCS
LCB (FOR FEMALES)	22 YRS
RELEVANT FAMILY HISTORY	FATHER - DIABETES
OCCUPATIONAL HISTORY	BANKER
HISTORY OF MEDICATIONS	NOT SIGNIFICANT

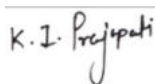
ANTHROPOMETRIC DATA & BMI

HEIGHT IN METERS	1.46	mts
WEIGHT IN KGS.	57.10	Kgs
BMI	27	kg/sqmts

BMI & Weight Status as follows
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	HEALTHY
BUILT / SKELETAL FRAMEWORK	AVERAGE
FACIAL APPEARANCE	NORMAL
SKIN	NORMAL
UPPER LIMB	NORMAL
LOWER LIMB	NORMAL
NECK	NORMAL
NECK LYMPHATICS / SALIVARY GLANDS	NOT ENLARGED OR TENDER
THYROID GLAND	NOT ENLARGED
CAROTID PULSATION	NORMAL
BREAST (FOR FEMALES)	NORMAL



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Page 2 Of 22



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TEMPERATURE

NORMAL

PULSE

66/MIN REGULAR, ALL PERIPHERAL PULSES WELL FELT, NO CAROTID
BRUIT

RESPIRATORY RATE

NORMAL

CARDIOVASCULAR SYSTEM

BP

153/91 MM HG
(SITTING) 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)

ADDED SOUNDS

ABSENT

PER ABDOMEN

APPEARANCE

NORMAL

VENOUS PROMINENCE

ABSENT

LIVER

NOT PALPABLE

SPLEEN

NOT PALPABLE

HERNIA

ABSENT

ANY OTHER COMMENTS

NIL

CENTRAL NERVOUS SYSTEM

HIGHER FUNCTIONS

NORMAL

CRANIAL NERVES

NORMAL

CEREBELLAR FUNCTIONS

NORMAL

SENSORY SYSTEM

NORMAL

MOTOR SYSTEM

NORMAL

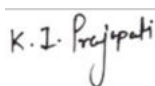
REFLEXES

NORMAL

MUSCULOSKELETAL SYSTEM

SPINE

NORMAL


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Page 3 Of 22



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JOINTS

NORMAL

BASIC EYE EXAMINATION

CONJUNCTIVA

NORMAL

EYELIDS

NORMAL

EYE MOVEMENTS

NORMAL

CORNEA

NORMAL

DISTANT VISION RIGHT EYE WITHOUT
GLASSES

6/36

DISTANT VISION LEFT EYE WITHOUT
GLASSES

6/12

NEAR VISION RIGHT EYE WITHOUT GLASSES

N/8

NEAR VISION LEFT EYE WITHOUT GLASSES

N/8

COLOUR VISION

NORMAL

BASIC ENT EXAMINATION

EXTERNAL EAR CANAL

NORMAL

TYMPANIC MEMBRANE

NORMAL

NOSE

NO ABNORMALITY DETECTED

SINUSES

NORMAL

THROAT

NO ABNORMALITY DETECTED

TONSILS

NOT ENLARGED

BASIC DENTAL EXAMINATION

TEETH

CARIES

GUMS

HEALTHY

ANY OTHER COMMENTS

GROSS DECAY

SUMMARY

RELEVANT HISTORY

NOT SIGNIFICANT

RELEVANT GP EXAMINATION FINDINGS

NOT SIGNIFICANT

RELEVANT LAB INVESTIGATIONS

ESR, TSH - ABOVE NORMAL LIMITS

RELEVANT NON PATHOLOGY DIAGNOSTICS

USG BREASTS - HYPOECHOIC LESIONS RT BREAST; CYST RT BREAST

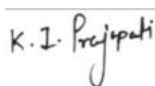
REMARKS / RECOMMENDATIONS

MONITOR ESR, TSH; GYNAECOLOGIST CONSULTATION

FITNESS STATUS

FITNESS STATUS

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



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Page 4 Of 22



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MEDI WHEEL FULL BODY HEALTH CHECKUP ABOVE 40FEMALE

ULTRASOUND ABDOMEN

ULTRASOUND ABDOMEN

ULTRASOUND WHOLE ABDOMEN

Liver is mildly enlarged in size (157mm) and shows grade I fatty changes. No obvious focal parenchymal lesion/biliary dilatation is seen. Hepatic veins and portal venous radicals are normal.

Gall bladder well distended and reveals an echo-free lumen. No wall edema is seen. No evidence of any calculus, mass lesion or any other abnormality is seen in gall bladder. Common bile duct is not dilated. Portal vein is normal in course and caliber.

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

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

Kidneys
Both kidneys are normal in size, outline and echotexture. Corticomedullary differentiation is well maintained. Parenchymal thickness is normal. No mass lesion, calculus or hydronephrosis is seen. No significant retroperitoneal lymphadenopathy/ascites is seen.

Urinary Bladder
Urinary bladder is adequately distended with normal outline.No mass lesion, calculus or diverticulum is noted in the urinary bladder.Urinary bladder wall thickness is normal.

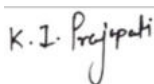
Uterus is postmenopausal,not well visualized on TAS.

POD is clear.

Correlate clinically

Interpretation(s)

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



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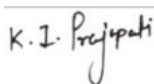
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 FITNESS STATUS-Conclusion on an individual's Fitness, which is commented upon mainly for Pre employment cases, is based on multi factorial findings and does not depend on any one single parameter. The final Fitness assigned to a candidate will depend 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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HAEMATOLOGY - CBC

MEDI WHEEL FULL BODY HEALTH CHECKUP ABOVE 40FEMALE

BLOOD COUNTS, EDTA WHOLE BLOOD

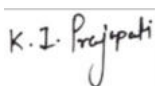
HEMOGLOBIN (HB)	12.1	12.0 - 15.0	g/dL
METHOD : CYANMETHEMOGLOBIN METHOD			
RED BLOOD CELL (RBC) COUNT	4.10	3.8 - 4.8	mil/ μ L
METHOD : IMPEDANCE			
WHITE BLOOD CELL (WBC) COUNT	7.47	4.0 - 10.0	thou/ μ L
METHOD : IMPEDANCE			
PLATELET COUNT	192	150 - 410	thou/ μ L
METHOD : IMPEDANCE			

RBC AND PLATELET INDICES

HEMATOCRIT (PCV)	37.0	36 - 46	%
METHOD : CALCULATED			
MEAN CORPUSCULAR VOLUME (MCV)	90.3	83 - 101	fL
METHOD : CELL COUNTER			
MEAN CORPUSCULAR HEMOGLOBIN (MCH)	29.6	27.0 - 32.0	pg
METHOD : CALCULATED PARAMETER			
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC)	32.8	31.5 - 34.5	g/dL
METHOD : CALCULATED PARAMETER			
RED CELL DISTRIBUTION WIDTH (RDW)	16.2 High	11.6 - 14.0	%
METHOD : CALCULATED			
MENTZER INDEX	22.0		
METHOD : CALCULATED PARAMETER			
MEAN PLATELET VOLUME (MPV)	13.3 High	6.8 - 10.9	fL
METHOD : CALCULATED PARAMETER			

WBC DIFFERENTIAL COUNT

NEUTROPHILS	57	40 - 80	%
METHOD : IMPEDANCE / MICROSCOPY			
LYMPHOCYTES	34	20 - 40	%
METHOD : IMPEDANCE / MICROSCOPY			
MONOCYTES	5	2 - 10	%
METHOD : IMPEDANCE / MICROSCOPY			
EOSINOPHILS	4	1 - 6	%



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Page 7 Of 22



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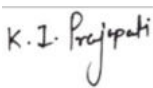
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METHOD : IMPEDANCE / MICROSCOPY				
BASOPHILS		0	0 - 2	%
METHOD : MICROSCOPIC EXAMINATION				
ABSOLUTE NEUTROPHIL COUNT		4.26	2.0 - 7.0	thou/ μ L
METHOD : CALCULATED PARAMETER				
ABSOLUTE LYMPHOCYTE COUNT		2.54	1 - 3	thou/ μ L
METHOD : CALCULATED PARAMETER				
ABSOLUTE MONOCYTE COUNT		0.37	0.20 - 1.00	thou/ μ L
METHOD : CALCULATED PARAMETER				
ABSOLUTE EOSINOPHIL COUNT		0.30	0.02 - 0.50	thou/ μ L
METHOD : CALCULATED PARAMETER				
ABSOLUTE BASOPHIL COUNT		0 Low	0.02 - 0.10	thou/ μ L
METHOD : CALCULATED PARAMETER				
NEUTROPHIL LYMPHOCYTE RATIO (NLR)		1.7		
METHOD : CALCULATED PARAMETER				

Interpretation(s)

BLOOD COUNTS,EDTA WHOLE BLOOD-The cell morphology is well preserved for 24hrs. However after 24-48 hrs a progressive increase in MCV and HCT is observed leading to a decrease in MCHC. A direct smear is recommended for an accurate differential count and for examination of RBC morphology.
RBC AND PLATELET INDICES-Mentzer index (MCV/RBC) is an automated cell-counter based calculated screen tool to differentiate cases of Iron deficiency anaemia(>13) from Beta thalassaemia trait (<13) in patients with microcytic anaemia. This needs to be interpreted in line with clinical correlation and suspicion. Estimation of HbA2 remains the gold standard for diagnosing a case of beta thalassaemia trait.
WBC DIFFERENTIAL COUNT-The optimal threshold of 3.3 for NLR showed a prognostic possibility of clinical symptoms to change from mild to severe in COVID positive patients. When age = 49.5 years old and NLR = 3.3, 46.1% COVID-19 patients with mild disease might become severe. By contrast, when age < 49.5 years old and NLR < 3.3, COVID-19 patients tend to show mild disease.
(Reference to - The diagnostic and predictive role of NLR, d-NLR and PLR in COVID-19 patients ; A.-P. Yang, et al.; International Immunopharmacology 84 (2020) 106504
This ratio element is a calculated parameter and out of NABL scope.



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HAEMATOLOGY

MEDI WHEEL FULL BODY HEALTH CHECKUP ABOVE 40FEMALE

ERYTHROCYTE SEDIMENTATION RATE (ESR),WHOLE BLOOD

E.S.R **45 High** 0 - 20 mm at 1 hr

METHOD : WESTERGREN METHOD

Interpretation(s)

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, Vasculitides, 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: Polycythemia vera, Sickle cell anemia

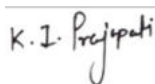
LIMITATIONS

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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Page 9 Of 22



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REF. DOCTOR : SELF

CODE/NAME & ADDRESS : C000138376

ACROFEMI HEALTHCARE LTD (MEDIWHEEL)

F-703, LADO SARAI, MEHRAULISOUTH WEST
DELHI

NEW DELHI 110030

8800465156

ACCESSION NO : **0062WC000660**

PATIENT ID : SAVIF02097262

CLIENT PATIENT ID:

ABHA NO :

AGE/SEX : 50 Years Female

DRAWN :

RECEIVED : 07/03/2023 09:07:44

REPORTED : 09/03/2023 13:42:16

Test Report Status **Final**

Results

Biological Reference Interval Units

IMMUNOHAEMATOLOGY

MEDI WHEEL FULL BODY HEALTH CHECKUP ABOVE 40FEMALE**ABO GROUP & RH TYPE, EDTA WHOLE BLOOD**

ABO GROUP

TYPE AB

RH TYPE

POSITIVE

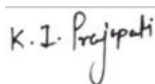
Interpretation(s)

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.


Dr. Kamlesh I Prajapati
Consultant Pathologist

Page 10 Of 22



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PERFORMED AT :

SRL Ltd

PLOT NO.160,POCKET D-11 SECTOR 8, ROHINI

NEW DELHI, 110085

NEW DELHI, INDIA

Tel : 9111591115, Fax :

CIN - U74899PB1995PLC045956

Patient Ref. No. **77500002534234**

PATIENT NAME : SAVITA AGARWAL

REF. DOCTOR : SELF

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BIOCHEMISTRY

MEDI WHEEL FULL BODY HEALTH CHECKUP ABOVE 40FEMALE

GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD

HBA1C	5.5	Non-diabetic Adult < 5.7 % Pre-diabetes 5.7 - 6.4 Diabetes diagnosis: > or = 6.5 Therapeutic goals: < 7.0 Action suggested : > 8.0 (ADA Guideline 2021)
-------	-----	--

METHOD : HPLC

ESTIMATED AVERAGE GLUCOSE(EAG)	111.2	< 116.0	mg/dL
--------------------------------	-------	---------	-------

GLUCOSE FASTING,FLUORIDE PLASMA

FBS (FASTING BLOOD SUGAR)	92	74 - 106	mg/dL
---------------------------	----	----------	-------

METHOD : HEXOKINASE

GLUCOSE, POST-PRANDIAL, PLASMA

PPBS(POST PRANDIAL BLOOD SUGAR)	122	70 - 140	mg/dL
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LIPID PROFILE, SERUM

CHOLESTEROL, TOTAL	155	< 200 Desirable 200 - 239 Borderline High >/= 240 High	mg/dL
--------------------	-----	--	-------

METHOD : CHOLESTEROL OXIDASE, ESTERASE,PEROXIDASE

TRIGLYCERIDES	116	< 150 Normal 150 - 199 Borderline High 200 - 499 High >/=500 Very High	mg/dL
---------------	-----	---	-------

METHOD : ENZYMATIC, END POINT

HDL CHOLESTEROL	39 Low	< 40 Low >/=60 High	mg/dL
-----------------	---------------	------------------------	-------

METHOD : DIRECT MEASURE POLYMER-POLYANION

CHOLESTEROL LDL	93	< 100 Optimal 100 - 129 Near optimal/ above optimal 130 - 159 Borderline High 160 - 189 High >/= 190 Very High	mg/dL
-----------------	----	--	-------

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NON HDL CHOLESTEROL	116	Desirable-Less than 130 Above Desirable-130-159 Borderline High-160-189 High-190-219 Very High- >or =220	mg/dL
---------------------	-----	--	-------

METHOD : CALCULATED

VERY LOW DENSITY LIPOPROTEIN	23.2		mg/dL
------------------------------	------	--	-------

CHOL/HDL RATIO	4.0		
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LDL/HDL RATIO	2.4	0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate Risk >6.0 High Risk	
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Interpretation(s)

LIVER FUNCTION PROFILE, SERUM

BILIRUBIN, TOTAL	0.64	Upto 1.2	mg/dL
------------------	------	----------	-------

METHOD : DIAZONIUM ION, BLANKED (ROCHE)

BILIRUBIN, DIRECT	0.25 High	Upto 0.2	mg/dL
-------------------	------------------	----------	-------

METHOD : DIAZONIUM ION, BLANKED (ROCHE)

BILIRUBIN, INDIRECT	0.39	0.00 - 0.60	mg/dL
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METHOD : CALCULATED PARAMETER

TOTAL PROTEIN	7.4	6.4 - 8.3	g/dL
---------------	-----	-----------	------

ALBUMIN	3.4 Low	3.70 - 4.94	g/dL
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METHOD : BROMOCRESOL PURPLE

GLOBULIN	4.0	2.0 - 4.0	g/dL
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METHOD : CALCULATED PARAMETER

ALBUMIN/GLOBULIN RATIO	0.9 Low	1.0 - 2.0	RATIO
------------------------	----------------	-----------	-------

METHOD : CALCULATED PARAMETER

ASPARTATE AMINOTRANSFERASE (AST/SGOT)	19	0 - 32	U/L
---------------------------------------	----	--------	-----

METHOD : IFCC WITH PYRIDOXAL 5 PHOSPHATE

ALANINE AMINOTRANSFERASE (ALT/SGPT)	17	0 - 33	U/L
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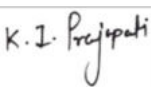
METHOD : UV WITH P5P-IFCC

ALKALINE PHOSPHATASE	203 High	35 - 104	U/L
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METHOD : PNPP, AMP BUFFER-IFCC

GAMMA GLUTAMYL TRANSFERASE (GGT)	40 High	5 - 36	U/L
----------------------------------	----------------	--------	-----

METHOD : G-GLUTAMYL-CARBOXY-NITROANILIDE-IFCC



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LACTATE DEHYDROGENASE

202

135 - 214

U/L

METHOD : L TO P, IFCC

BLOOD UREA NITROGEN (BUN), SERUM

BLOOD UREA NITROGEN

5 Low

6 - 20

mg/dL

METHOD : UREASE - UV

CREATININE, SERUM

CREATININE

0.42 Low

0.5 - 0.9

mg/dL

METHOD : ALKALINE PICRATE

BUN/CREAT RATIO

BUN/CREAT RATIO

11.90

5.00 - 15.00

URIC ACID, SERUM

URIC ACID

4.0

2.4 - 5.7

mg/dL

METHOD : URICASE, COLORIMETRIC

TOTAL PROTEIN, SERUM

TOTAL PROTEIN

7.4

6.4 - 8.3

g/dL

METHOD : BIURET

ALBUMIN, SERUM

ALBUMIN

3.4 Low

3.97 - 4.94

g/dL

METHOD : BROMOCRESOL PURPLE (BCP) DYE-BINDING

GLOBULIN

GLOBULIN

4.0

2.0 - 4.0

g/dL

METHOD : CALCULATED PARAMETER

ELECTROLYTES (NA/K/CL), SERUM

SODIUM, SERUM

142

136 - 145

mmol/L

METHOD : ISE INDIRECT

POTASSIUM, SERUM

3.82

3.3 - 5.1

mmol/L

METHOD : ISE DIRECT

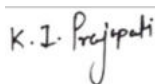
CHLORIDE, SERUM

105

98 - 106

mmol/L

METHOD : ISE INDIRECT

Interpretation(s)


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Page 13 Of 22



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Interpretation(s)

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 addition 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 platform (Boronate affinity chromatography) is recommended for testing of HbA1c. Abnormal Hemoglobin electrophoresis (HPLC method) is recommended for detecting a hemoglobinopathy

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 so that 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; sulfonyleureas, 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.

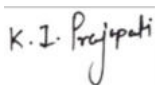
High fasting glucose level in comparison to post prandial glucose level may be seen due to effect of Oral Hypoglycaemics & Insulin treatment, Renal Glycosuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc.

GLUCOSE, POST-PRANDIAL, PLASMA-High fasting glucose level in comparison to post prandial glucose level may be seen due to effect of Oral Hypoglycaemics & Insulin treatment, Renal Glycosuria, 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 result 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, 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



Dr. Kamlesh I Prajapati
Consultant Pathologist



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

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

- Blockage in the urinary tract
- Kidney problems, such as kidney damage or failure, infection, or reduced blood flow
- Loss of body fluid (dehydration)
- Muscle problems, such as breakdown of muscle fibers
- Problems during pregnancy, such as seizures (eclampsia), or high blood pressure caused by pregnancy (preeclampsia)

Lower than normal level may be due to:

- Myasthenia Gravis
- 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

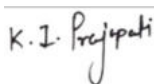
Causes of decreased levels-Low Zinc intake,OCP, Multiple Sclerosis

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 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.



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CLINICAL PATH - URINALYSIS

MEDI WHEEL FULL BODY HEALTH CHECKUP ABOVE 40FEMALE

PHYSICAL EXAMINATION, URINE

COLOR PALE YELLOW

METHOD : VISUAL EXAMINATION

APPEARANCE CLEAR

METHOD : VISUAL EXAMINATION

CHEMICAL EXAMINATION, URINE

PH 7.0 4.7 - 7.5

METHOD : REFLECTANCE SPECTROPHOTOMETRY- DOUBLE INDICATOR METHOD

SPECIFIC GRAVITY 1.005 1.003 - 1.035

METHOD : PKA CHANGE WITH REFLECTANCE, SPECTROPHOTOMETRY

PROTEIN NOT DETECTED NOT DETECTED

METHOD : PROTEIN ERROR OF INDICATORS WITH REFLECTANCE, SPECTROPHOTOMETRY

GLUCOSE NOT DETECTED NOT DETECTED

METHOD : GLUCOSE OXIDASE WITH REFLECTANCE, SPECTROPHOTOMETRY

KETONES NOT DETECTED NOT DETECTED

METHOD : ROTHERA'S WITH REFLECTANCE, SPECTROPHOTOMETRY

BLOOD **DETECTED (TRACE)** NOT DETECTED

METHOD : PEROXIDASE METHOD WITH REFLECTANCE, SPECTROPHOTOMETRY

BILIRUBIN NOT DETECTED NOT DETECTED

METHOD : DIAZOTIZED WITH REFLECTANCE, SPECTROPHOTOMETRY

UROBILINOGEN NORMAL NORMAL

METHOD : EHRLICH REACTION WITH REFLECTANCE, SPECTROPHOTOMETRY

NITRITE NOT DETECTED NOT DETECTED

METHOD : DIAZONIUM COMPOUND WITH REFLECTANCE, SPECTROPHOTOMETRY

LEUKOCYTE ESTERASE NOT DETECTED NOT DETECTED

METHOD : DIPSTICK

MICROSCOPIC EXAMINATION, URINE

RED BLOOD CELLS 1 - 2 NOT DETECTED /HPF

METHOD : MICROSCOPY

PUS CELL (WBC'S) 0-1 0-5 /HPF

METHOD : MICROSCOPY

EPITHELIAL CELLS 3-5 0-5 /HPF

METHOD : MICROSCOPY

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CASTS

NOT DETECTED

METHOD : MICROSCOPY

CRYSTALS

NOT DETECTED

METHOD : MICROSCOPY

BACTERIA

NOT DETECTED

NOT DETECTED

METHOD : MICROSCOPY

YEAST

NOT DETECTED

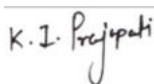
NOT DETECTED

METHOD : MICROSCOPY

REMARKS

NOTE:- MICROSCOPIC EXAMINATION OF URINE IS PERFORMED BY
 CENTRIFUGE
 URINARY SEDIMENT.

METHOD : MANUAL

Interpretation(s)


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Page 17 Of 22



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Test Report Status **Final**

Results

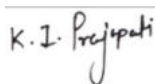
Biological Reference Interval Units

CYTOLOGY

MEDI WHEEL FULL BODY HEALTH CHECKUP ABOVE 40FEMALE**PAPANICOLAOU SMEAR**

TEST METHOD

SAMPLE NOT RECEIVED


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Consultant Pathologist

Page 18 Of 22



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NEW DELHI, INDIA
Tel : 9111591115, Fax :
CIN - U74899PB1995PLC045956

Patient Ref. No. 77500002534234

PATIENT NAME : SAVITA AGARWAL

REF. DOCTOR : SELF

CODE/NAME & ADDRESS : C000138376

ACROFEMI HEALTHCARE LTD (MEDIWHEEL)
F-703, LADO SARAI, MEHRAULISOUTH WEST
DELHINEW DELHI 110030
8800465156ACCESSION NO : **0062WC000660**

PATIENT ID : SAVIF02097262

CLIENT PATIENT ID:

ABHA NO :

AGE/SEX : 50 Years Female

DRAWN :

RECEIVED : 07/03/2023 09:07:44

REPORTED : 09/03/2023 13:42:16

Test Report Status **Final**

Results

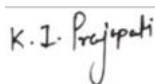
Biological Reference Interval Units

CLINICAL PATH - STOOL ANALYSIS

MEDI WHEEL FULL BODY HEALTH CHECKUP ABOVE 40FEMALE**PHYSICAL EXAMINATION,STOOL**

COLOUR

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Page 19 Of 22



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SPECIALISED CHEMISTRY - HORMONE

MEDI WHEEL FULL BODY HEALTH CHECKUP ABOVE 40FEMALE

THYROID PANEL, SERUM

T3	118.70	Non-Pregnant Women 80.0 - 200.0 Pregnant Women 1st Trimester:105.0 - 230.0 2nd Trimester:129.0 - 262.0 3rd Trimester:135.0 - 262.0	ng/dL
T4	7.41	Non-Pregnant Women 5.10 - 14.10 Pregnant Women 1st Trimester: 7.33 - 14.80 2nd Trimester: 7.93 - 16.10 3rd Trimester: 6.95 - 15.70	µg/dL
TSH (ULTRASENSITIVE)	5.760 High	Non Pregnant Women 0.27 - 4.20 Pregnant Women 1st Trimester: 0.33 - 4.59 2nd Trimester: 0.35 - 4.10 3rd Trimester: 0.21 - 3.15	µIU/mL

Interpretation(s)

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

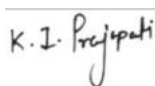
Production of T3 and its prohormone thyroxine (T4) is activated by thyroid-stimulating hormone (TSH), which is released from the pituitary gland. Elevated concentrations of T3, and T4 in the blood inhibit the production of TSH.

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

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

Below mentioned are the guidelines for Pregnancy related reference ranges for Total T4, TSH & Total T3. Measurement of the serum TT3 level is a more sensitive test for the diagnosis of hyperthyroidism, and measurement of TT4 is more useful in the diagnosis of hypothyroidism. Most of the thyroid hormone in blood is bound to transport proteins. Only a very small fraction of the circulating hormone is free and biologically active. It is advisable to detect Free T3, 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



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Page 20 Of 22



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Test Report Status Final Results Biological Reference Interval Units

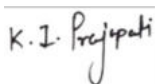
2	High	Normal	Normal	Normal	(1)Subclinical Hypothyroidism (2) Patient with insufficient thyroid hormone replacement therapy (3) In cases of Autoimmune/Hashimoto thyroiditis (4). Isolated increase in TSH levels can be due to Subclinical inflammation, drugs like amphetamines, Iodine containing drug and 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.

****End Of Report****

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Page 21 Of 22



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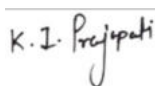
Biological Reference Interval Units

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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Page 22 Of 22



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