

Name : Mr. VIJAY BARWA
PID No. : MED210053649
SID No. : 80974132
Age / Sex : 37 Year(s) / Male
Type : OP
Ref. Dr : DR. SILWANT EKKA

Register On : 21/06/2024 10:54 AM
Collection On : 21/06/2024 11:02 AM
Report On : 23/06/2024 6:13 PM
Printed On : 16/07/2024 12:48 PM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
ESR (Erythrocyte Sedimentation Rate) (Citratd Blood/Automated ESR analyser)	60	mm/hr	< 15
<u>Complete Blood Cell Count</u>			
RDW (Blood)	21.5	%	13 - 17
Haemoglobin (EDTA Blood/Automated Blood cell Counter)	6.7	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Automated Blood cell Counter)	20.7	%	42 - 52
RBC Count (EDTA Blood/Automated Blood cell Counter)	2.58	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood/Automated Blood cell Counter)	80.4	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/Automated Blood cell Counter)	25.9	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood/Automated Blood cell Counter)	32.2	g/dL	32 - 36
Platelet Count (EDTA Blood/Automated Blood cell Counter)	2.41	lakh/cu.mm	1.4 - 4.5
Total Leukocyte Count (TC) (EDTA Blood/Automated Blood cell Counter)	11830	cells/cu.mm	4000 - 11000
<u>Diferential Leucocyte Count</u>			
Neutrophils (Blood)	84.1	%	40 - 75
Lymphocytes (Blood)	5.8	%	20 - 45
Eosinophils (Blood)	6.4	%	01 - 06
Monocytes (Blood)	3.2	%	01 - 10
Basophils (Blood/Automated Blood cell Counter)	0.5	%	00 - 02



Praveen Kumar
DR. PRAVEEN KUMAR (M.B.B.S.D.C.P.)
CONSULTANT PATHOLOGIST
REG. NO. JCMR-2355
APPROVED BY

The results pertain to sample tested.

Lab Address: MEDALL SCANS AND LABS RANCHI PVT LTD, EMERGENCY BLOCK, RAJENDRA INSTITUTE OF MEDICAL SCIENCES, BARIATU ROAD, RANCHI, JHARKHAND, INDIA, PIN CODE: 834009.

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Investigation	Observed Value	Unit	Biological Reference Interval
Calcium (Serum/Arsenazo III)	8.5	mg/dL	8.8 - 10.6
<u>Liver Function Test</u>			
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	31	U/L	< 55
Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	0.3	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.1	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.2	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	5.0	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	3.0	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	2.0	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.5		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	39	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	23	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/PNPP / Kinetic)	115	U/L	53 - 128
<u>IRON PROFILE</u>			
Iron (Serum/Iron - Ferrozine)	46.8	µg/dL	23 - 168
<p>INTERPRETATION: INTERPRETATION : Low serum iron values are seen in chronic blood loss, insufficient intake or absorption of iron and increased demand on the body stores. Elevated serum iron values are seen in haemolytic anaemia, increased intake.</p>			
Total Iron Binding Capacity (TIBC) (Serum/Fe3+ / Magnesium Hydroxide Carbonate)	135.6	µg/dL	250 - 425



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<p>INTERPRETATION: TIBC is increased in iron deficiency anaemia and in pregnancy. It is lower than normal in infections, malignant disease and renal disease.</p>			
Unbound Iron Binding Capacity	88.80	µg/dL	190 - 350
Serum Transferrin (Blood)	94.92	mg/dL	175 - 320
<p>INTERPRETATION: Transferrin is a direct measure of the iron binding capacity</p>			
Transferrin Saturation (Serum)	34.51	%	20 - 55
<p>INTERPRETATION: Transferrin saturation of less than 16% indicates an inadequate iron supply for erythropoiesis. Elevated transferrin saturation is noted in haemochromatosis.</p>			
Ferritin (Serum/Chemiluminescent Microparticle Immunoassay(CMIA))	1400.0	ng/mL	22 - 322




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Renal Function Test

Serum Electrolytes

Sodium (Serum/Ion selective electrode (ISE))	130.8	mmol/L	136 - 145
Potassium (Serum/Ion selective electrode (ISE))	5.40	mmol/L	3.5 - 5.1
Chloride (Serum/Ion selective electrode (ISE))	99.1	mmol/L	98 - 107
Urea (Serum/Urease-GLDH/UV)	137	mg/dL	15 - 45
Remark: hist	7.6	mg/dL	0.9 - 1.3

Creatinine
(Serum/Jaffe Kinetic)

INTERPRETATION: Elevated Creatinine values are encountered in increased muscle mass, severe dehydration, Pre-eclampsia, increased ingestion of cooked meat, consuming Protein/ Creatine supplements, Diabetic Ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin ,cefazolin, ACE inhibitors ,angiotensin II receptor antagonists,N-acetylcyteine , chemotherapeutic agent such as flucytosine etc.

Uric Acid
(Serum/Uricase/Peroxidase)

7.8 mg/dL 3.5 - 7.2



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Investigation

e-GFR Study(GLOMERULAR
FILTRATION RATE)- Blood
(EDTA Blood)

**Observed
Value**

09

Unit

mL/min/1.73 sq.m

**Biological
Reference Interval**

Normal: ≥ 90
Mild decrease in Renal function: 60
- 89
Mild to moderate decrease in Renal
function: 45 - 59
Moderate to severe decrease in
Renal function: 30 - 44
Severe decrease in Renal function:
15 - 29
Kidney failure: < 15



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