

Pat. Name : Sanjay Mandal  
Age : 35Y / Sex : Male  
Ref. By : Multicare Hospital  
Comp.Name : Mchph



Reg. No : OSP-2026-0490  
Col. Date : 20-06-2026  
Rpt. Date : 20-06-2026

Test	-	Result	Unit	Normal Range
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### HAEMATOLOGY

#### COMPLETE BLOOD COUNT (CBC)

Total WBC Count	▲	12.0	10 <sup>3</sup> /ul	4-10
<b>RBC INDICES</b>				
RBC Count		4.7	mil/cu.mm	3.5-5.5
Haemoglobin		13.0	gm/dL	12-15
Platelet Count		2.1	10 <sup>6</sup> /ul	1.50-4.50
Hematocrit (HCT)		39.5	%	37-46
Mean Corp Volume (MCV)		84.04		83-101
Mean Corp Hb (MCH)		27.66	pg	27-32
Mean Corp Hb Conc (MCHC)		32.91	gm/dL	31.5-34.5
RDW-CV		15.3	%	11.0-17.0
PCT		0.25	%	0.10-0.35

#### DIFFERENTIAL LEUCOCYTE COUNT

Neutrophils	▲	81	%	40-70
Lymphocytes	▼	13		20-40
Monocytes		02	%	2-10
Eosinophils		04	%	1-6
Basophils		00	%	0-1

#### ABSOLUTE DIFFERENTIAL COUNT

Absolute Neutrophils Count	▲	9.72	10 <sup>3</sup> /ul	2-7
Absolute Lymphocyte Count		1.56		1-3
Absolute Eosinophil Count		0.48	10 <sup>3</sup> /ul	0.2-0.5
Absolute Monocyte Count		0.24		0.1-1
Absolute Basophils Count		0.00	10 <sup>3</sup> /ul	0-0.1

Lab Technician  
VIKASH KUMAR  
BMLT(AKU)

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Dr. Vishal Prakash  
MBBS,DCP

Consultant Pathologist

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### BIOCHEMISTRY

#### Kidney Function Test(KFT)

Blood Urea		29.1	mg/dl	10 - 45
BUN-Blood Urea Nitrogen		13.59	mg/dl	6.0 - 20.0
Serum Creatinine		0.89	mg/dl	0.4-1.20
Uric Acid		6.33	mg/dl	2.5 - 7.2
Serum Sodium	▼	<b>133.5</b>	mmol/l	135 - 150
Serum Potassium		3.78	mmol/l	3.5 - 5.0
Serum Chloride		99.0	mmol /L	98 - 110
Calcium (Ca++)	▼	<b>8.16</b>	mg/dL	8.6-10.2

#### Comment

The Kidney Function Test (KFT) is a group of blood and urine tests used to evaluate how well the kidneys are working. It commonly includes tests such as serum creatinine, blood urea, uric acid, electrolytes, and eGFR. KFT helps in diagnosing kidney diseases, kidney infections, dehydration, and monitoring patients with diabetes or high blood pressure. Increased levels of urea and creatinine may indicate impaired kidney function. This test is important for assessing kidney health and monitoring the effectiveness of treatment.

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### BIOCHEMISTRY

#### Liver Function Test (LFT)

Total Bilirubin	▲	9.62	mg/dl	0.2-1.3
Direct Bilirubin	▲	4.90	mg/dl	0.0-0.4
Indirect Bilirubin	▲	4.72	mg/dl	0.2-0.7
Alkaline Phosphatase	▲	328.1	IU/L	00-240
Alanine Transaminase (SGPT/ALT)	▲	192.0	U/L	5-35
Aspartate Transaminase (SGOT/AST)	▲	182.6	U/L	8-40
SGOT/SGPT Ratio		0.95	Ratio	0-5
Total Protein		6.08	g/dl	6-8
Albumin	▼	3.27	gm/dl	3.5-5.5
Globulin		2.81	g/dl	2.3-3.6
A/G Ratio		1.16		1.0-2.3

#### Comment

The Liver Function Test (LFT) is a group of blood tests used to assess the health and functioning of the liver. It measures different enzymes, proteins, and substances such as SGOT (AST), SGPT (ALT), ALP, bilirubin, albumin, and total protein. These tests help in diagnosing liver diseases like hepatitis, fatty liver, jaundice, liver infection, and liver damage caused by alcohol or medicines. Abnormal LFT values may indicate inflammation, blockage of bile ducts, or impaired liver function. LFT is also used to monitor the progress of liver disease and response to treatment.

### SEROLOGY

#### Blood Group (ABO)

Blood Group (ABO)	O	
Rh Typing	POSITIVE (+ve)	POSITIVE

#### Comment

Blood Group (ABO) is a laboratory test used to determine a person's blood type based on the presence or absence of A and B antigens on red blood cells. The four main blood groups are A, B, AB, and O. ABO blood typing is essential for safe blood transfusions, organ transplantation, and prenatal care, as receiving incompatible blood can cause serious health complications.

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### SEROLOGY

HBsAg(SCREENING) Non-Reactive

**Comment**

HBsAg (Screening) is a blood test used to detect the presence of the hepatitis B surface antigen (HBsAg), a protein found on the surface of the Hepatitis B virus. It is commonly used to screen for hepatitis B infection. A positive HBsAg result indicates that a person is infected with hepatitis B and may be able to transmit the virus to others. This test is important for early diagnosis, monitoring, and preventing the spread of hepatitis B.

HCV (RAPID) Non-Reactive

**Comment**

HCV (Rapid) is a quick screening test used to detect antibodies against the Hepatitis C virus in a blood sample. It provides results within a short time and helps identify individuals who may have been exposed to hepatitis C. A positive result suggests possible infection and should be confirmed with additional laboratory tests to determine active infection and guide treatment.

HIV I & II(SCREENING) NON-REACTIVE

**Comment**

Human Immunodeficiency Virus Infection I & II (Screening) is a blood test used to detect antibodies or antigens related to HIV infection. It helps in the early diagnosis of HIV-1 and HIV-2 infections, allowing timely treatment and prevention of further transmission. Screening tests are important for maintaining overall health and awareness.

### BIOCHEMISTRY

**Serum Amylase**

Amylase 71.5 IU/L 00 - 90

**Lipase**

Lipase 133.9 IU/L 0-180

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**Comment**

Serum Lipase is an enzyme produced mainly by the pancreas that helps the body digest fats. A serum lipase test measures the level of this enzyme in the blood and is commonly used to evaluate pancreatic function. Increased lipase levels may indicate conditions such as pancreatitis, pancreatic injury, or other digestive disorders. This test is often performed along with other investigations to help diagnose and monitor diseases affecting the pancreas.

**COAGULATION**

**Prothrombin Time (PTINR)**

PT(Prothrombin Time)	15	Seconds	11.0-16.0
Control (MNPT)	13.0	Seconds	13.0
PT Ratio	1.15		
International normalized ratio (INR)	1.25		0.64 - 1.35

**Comment**

Prothrombin Time (PT/INR) is a blood test used to measure how long it takes blood to clot. It helps evaluate the function of clotting factors and is commonly used to monitor patients taking anticoagulant medications such as Warfarin. PT measures the clotting time in seconds, while INR (International Normalized Ratio) standardizes the result so it can be compared across different laboratories. Abnormal PT/INR values may indicate bleeding disorders, liver disease, vitamin K deficiency, or the effects of blood-thinning medications.

\*\*\* End Of Report \*\*\*

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