

Client
Gurugram
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Processed By
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Name	: Mr. HM31	Billing Date	: 07/07/2023 12:24:40
Age	: 35 Yrs	Sample Collected on	: 10/07/2023 10:01:31
Sex	: Male	Sample Received on	: 10/07/2023 11:02:13
P. ID No.	: P1000100012804	Report Released on	: 17/07/2023 21:27:04
Accession No	: 10002304860	Barcode No.	: 10002304860-01
Referring Doctor	: Self	Ref no.	:
Referred By	:		

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
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HAEMATOLOGY

Complete Blood Count (CBC)

Haemoglobin (Hb) <i>Sample: Whole Blood EDTA Method: Photometric measurement</i>	13.6	13.0 - 17.0	gm/dL
Total WBC Count / TLC <i>Sample: Whole Blood EDTA Method: Impedance</i>	6.8	4.0 - 10.0	thou/ μ L
RBC Count <i>Sample: Whole Blood EDTA Method: Impedance</i>	4.7	4.5 - 5.5	million/ μ L
PCV / Hematocrit <i>Sample: Whole Blood EDTA Method: Impedance</i>	43.6	40.0 - 50.0	%
MCV <i>Sample: Whole Blood EDTA Method: Calculated</i>	93.8	83.0 - 101.0	fL
MCH <i>Sample: Whole Blood EDTA Method: Calculated</i>	29.2	27.0 - 32.0	pg
MCHC <i>Sample: Whole Blood EDTA Method: Calculated</i>	31.2 L	31.5 - 34.5	g/dL
RDW (Red Cell Distribution Width) <i>Sample: Whole Blood EDTA Method: Calculated</i>	14.7	11.8 - 15.6	%
<u>DLC (Differential Leucocyte Count)</u> <i>Method: Flowcytometry/Microscopy</i>			
Neutrophils <i>Sample: Whole Blood EDTA Method: VCS Technology & Microscopy</i>	60	40 - 80	%

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Lymphocytes <i>Sample: Whole Blood EDTA</i> <i>Method: VCS Technology & Microscopy</i>	30	20 - 40	%
Eosinophils <i>Sample: Whole Blood EDTA</i> <i>Method: VCS Technology & Microscopy</i>	05	01 - 06	%
Monocytes <i>Sample: Whole Blood EDTA</i> <i>Method: VCS Technology & Microscopy</i>	05	02 - 10	%
Basophils <i>Sample: Whole Blood EDTA</i> <i>Method: VCS Technology & Microscopy</i>	00	00 - 02	%
Absolute Neutrophil Count <i>Sample: Whole Blood EDTA</i>	4080	2000 - 7000	/ μ L
Absolute Lymphocyte Count <i>Sample: Whole Blood EDTA</i>	2040	1000 - 3000	/ μ L
Absolute Eosinophil Count <i>Sample: Whole Blood EDTA</i>	340	20 - 500	/ μ L
Absolute Monocyte Count <i>Sample: Whole Blood EDTA</i>	340	200 - 1000	/ μ L
Absolute Basophil Count <i>Sample: Whole Blood EDTA</i>	00 L	20 - 100	/ μ L
Platelet Count <i>Sample: Whole Blood EDTA</i> <i>Method: Impedance</i>	150	150 - 410	thou/ μ L
MPV (Mean Platelet Volume) <i>Sample: Whole Blood EDTA</i> <i>Method: Calculated</i>	9.8	6.8 - 10.9	fL
Erythrocyte Sedimentation Rate (ESR) <i>Sample: Whole Blood EDTA</i> <i>Method: Modified Westergren Method</i>	21 H	<10	mm 1st Hour

Haemoglobin (Hb)

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Hemoglobin is the iron containing protein molecule in red blood cells that carries oxygen from the lungs to the body's tissues and returns carbon dioxide from the tissues back to the lungs. Decrease in Hemoglobin levels results in anaemia and very high Hemoglobin levels results in hemochromatosis.

PCV / Hematocrit

Clinical Significance :

Hemoglobin is the iron containing protein molecule in red blood cells that carries oxygen from the lungs to the body's tissues and returns carbon dioxide from the tissues back to the lungs. Decrease in Hemoglobin levels results in anaemia and very high Hemoglobin levels results in hemochromatosis. Hematocrit or Packed cell volume (PCV) is the proportion of blood volume occupied by red blood cells and is typically about three times the hemoglobin concentration.

Platelet Count

Clinical Significance :

Platelets or thrombocytes are a cellular component of blood whose function is to stop bleeding by clumping or clotting blood vessel injuries. Low platelet count, also known as Thrombocytopenia, can be either due to less production or increased destruction of platelets. High platelet count or Thrombocytosis can be due to unregulated production, secondary to congenital, reactive or neoplastic conditions.

Complete Blood Count (CBC)

Clinical Significance :

CBC comprises of estimation of the cellular components of blood including RBCs, WBCs and Platelets. Mean corpuscular volume (MCV) is a measure of the size of the average RBC, MCH is a measure of the hemoglobin content of the average RBC and MCHC is the hemoglobin concentration per RBC. The red cell distribution width (RDW) is a measure of the degree of variation in RBC size (anisocytosis) and is helpful in distinguishing between some anemias. CBC examination is used as a screening tool to confirm a hematologic disorder, to establish or rule out a diagnosis, to detect an unsuspected hematologic disorder, or to monitor effects of radiation or chemotherapy. Abnormal results may be due to a primary disorder of the cell-producing organs or an underlying disease. Results should be interpreted in conjunction with the patient's clinical picture and appropriate additional testing performed.

Erythrocyte Sedimentation Rate (ESR)

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Clinical Significance :

The erythrocyte sedimentation rate (ESR) is a simple but non-specific test that helps to detect inflammation associated with conditions such as infections, cancers, and autoimmune diseases.

** End of Report**



Dr. Aarti Khanna Nagpal
DNB (Pathology)
Senior Consultant

