

BML463659

Laboratory Investigation Report

Name : Mr. SHIVA SHRESTHA
DOB : 08/06/2000
Age / Gender : 24 Y / Male
Referred by : DR. HUMAIRA MUMTAZ
Centre : CITICARE MEDICAL CENTER

Ref No. :
Sample No. : 2409474002
Collected : 08/09/2024 20:00
Registered : 09/09/2024 16:11
Reported : 09/09/2024 17:32

HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	15.0		g/dL	13.5 - 17.5	Photometric
RBC COUNT	4.8		10 ⁶ /μL	4.3 - 5.7	Electrical Impedance
HEMATOCRIT	42.7		%	38 - 50	Calculation
MCV	89.4		fL	82 - 98	Calculation
MCH	31.4		pg	27 - 32	Calculation
MCHC	35.1		g/dL	32 - 37	Calculation
RDW	12.5		%	11.8 - 15.6	Calculation
RDW-SD	38.9		fL		Calculation
MPV	9.4		fL	7.6 - 10.8	Calculation
PLATELET COUNT	196		10 ³ /uL	150 - 450	Electrical Impedance
PCT	0.2		%	0.01 - 9.99	Calculation
PDW	17.2		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC) [^]	0.4		/100 WBC		VCS 360 Technology
ABSOLUTE NRBC COUNT [^]	0.02		10 ³ /uL		Calculation
EARLY GRANULOCYTE COUNT (EGC) [^]	1.0		%		VCS 360 Technology
ABSOLUTE EGC [^]	0.1		10 ³ /uL		Calculation
WBC COUNT	6.2		10 ³ /μL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	65		%	40 - 75	VCS 360 Technology
LYMPHOCYTES	29		%	20 - 45	VCS 360 Technology
EOSINOPHILS	1		%	0 - 6	VCS 360 Technology
MONOCYTES	5		%	1 - 6	VCS 360 Technology
BASOPHILS	0		%	0 - 1	VCS 360 Technology
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	4.1		10 ³ /uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	1.8		10 ³ /uL	0.8 - 4.95	Calculation
ABSOLUTE MONOCYTE COUNT	0.2		10 ³ /uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.0		10 ³ /uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0.0		10 ³ /uL	0 - 0.11	Calculation

Dr. Adley Mark Fernandes
M.D (Pathology)
Pathologist

Dr. Vyoma V Shah
M.D (Pathology)
Clinical Pathologist

Thahsina Anees
Laboratory Technologist

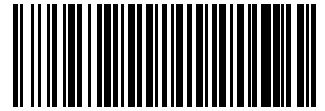
This is an electronically authenticated report

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Printed on: 09/09/2024 19:26

Test result pertains only to the sample tested and to be interpreted in the light of clinical history. These tests are accredited under ISO 15189:2012 unless specified by (^). Test marked with # is performed in an accredited referral laboratory.





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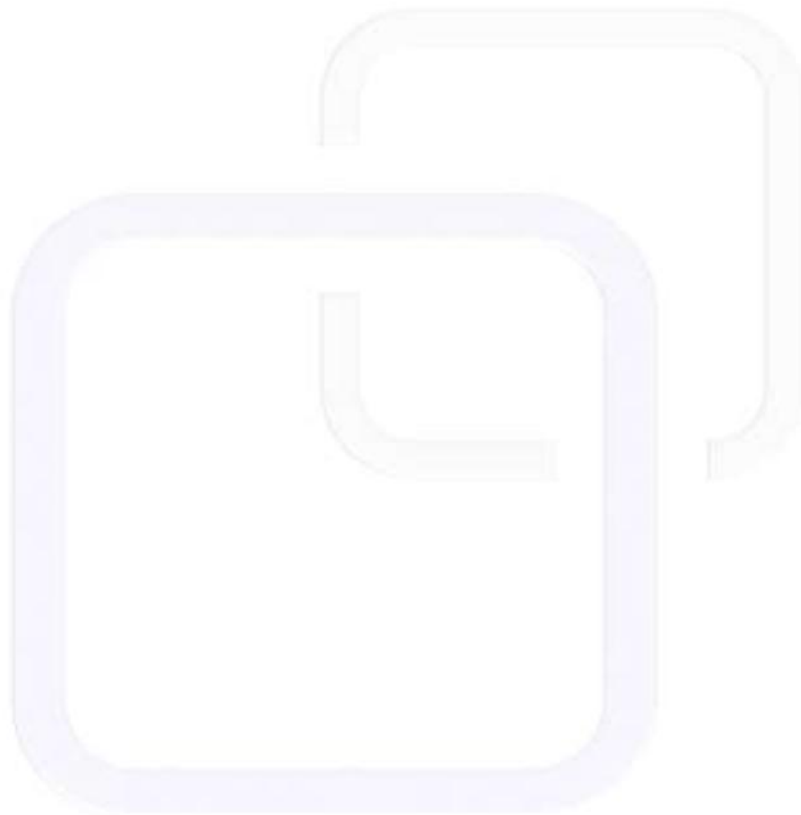
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COMPLETE BLOOD COUNT (CBC)

INTERPRETATION NOTES : Please note update on CBC report format, reference ranges and method(Beckman Coulter).



Dr. Vyoma V Shah

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HAEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
ERYTHROCYTE SEDIMENTATION RATE (ESR)	5		mm/hr	< 15 Please note change in reference range and method.	Automated

INTERPRETATION NOTES :

Increased ESR is seen in inflammation, pregnancy, anemia, autoimmune disorders (such as rheumatoid arthritis and lupus), infections, some kidney diseases and some cancers (such as lymphoma and multiple myeloma).

The ESR is decreased in polycythemia, hyperviscosity, sickle cell anemia, leukemia, low plasma protein (due to liver or kidney disease), congestive heart failure, hypofibrinogenemia and leukocytosis.

Sample Type : EDTA Whole Blood

End of Report

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