



BML543292

Laboratory Investigation Report

Name	: Mr. MOHAMMAD HILAL	Ref No.	: 45511
DOB	: 27/07/2001	Sample No.	: 2503556722
Age / Gender	: 23 Y / Male	Collected	: 28/03/2025 19:30
Referred by	: DR. HUMAIRA MUMTAZ	Registered	: 29/03/2025 16:50
Centre	: CITICARE MEDICAL CENTER	Reported	: 29/03/2025 19:29

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
LIPID PROFILE TEST					
CHOLESTEROL (TOTAL)	189		mg/dl	Desirable: < 200 Borderline High: 200 - 239 High: = 240 Please note change. Source: Roche IFU.	Enzymatic colorimetric assay
HDL CHOLESTEROL	52		mg/dl	40 - 60 Please note change. Source: Roche IFU.	Homogeneous enzymatic colorimetric assay
LDL CHOLESTEROL DIRECT	123		mg/dl	Optimal: < 100 Near/Above Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: = 190 Please note change. Source: Roche IFU.	Homogeneous enzymatic colorimetric assay
VLDL CHOLESTEROL	20		mg/dL	< 30	Calculation
NON-HDL CHOLESTEROL	143	H	mg/dL	< 140	Calculation
TRIGLYCERIDES	101		mg/dl	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: > 500 Source: Roche IFU.	Enzymatic colorimetric assay
TOTAL CHOLESTEROL / HDL RATIO	3.6			< 4.5	Calculation
LDL / HDL RATIO	2.4			< 3.5	Calculation

Sample Type : Serum

End of Report

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

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


ANJUMOL D V
Laboratory Technologist
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Registered : 29/03/2025 16:50
Reported : 29/03/2025 18:11

HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	15.5		g/dL	13.5 - 17.5	Photometric
RBC COUNT	5.4		10 ⁶ /μL	4.3 - 5.7	Electrical Impedance
HEMATOCRIT	45.9		%	38 - 50	Calculation
MCV	85		fL	82 - 98	Calculation
MCH	28.7		pg	27 - 32	Calculation
MCHC	33.8		g/dL	32 - 37	Calculation
RDW	13.6		%	11.8 - 15.6	Calculation
RDW-SD	40.3		fL		Calculation
MPV	10.4		fL	7.6 - 10.8	Calculation
PLATELET COUNT	155		10 ³ /uL	150 - 450	Electrical Impedance
PCT	0.2		%	0.01 - 9.99	Calculation
PDW	17.3		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC) [^]	1.0		/100 WBC		VCS 360 Technology
ABSOLUTE NRBC COUNT [^]	0.06		10 ³ /uL		Calculation
EARLY GRANULOCYTE COUNT (EGC) [^]	0.4		%		VCS 360 Technology
ABSOLUTE EGC [^]	0.0		10 ³ /uL		Calculation
WBC COUNT	5.7		10 ³ /μL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	49		%	40 - 75	VCS 360 Technology
LYMPHOCYTES	38		%	20 - 45	VCS 360 Technology
EOSINOPHILS	9	H	%	0 - 6	VCS 360 Technology
MONOCYTES	4		%	1 - 6	VCS 360 Technology
BASOPHILS	0		%	0 - 1	VCS 360 Technology
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	2.8		10 ³ /uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	2.1		10 ³ /uL	0.8 - 4.95	Calculation
ABSOLUTE MONOCYTE COUNT	0.2		10 ³ /uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.5		10 ³ /uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0.0		10 ³ /uL	0 - 0.11	Calculation

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Jillian Joy Garcia
Jillian Joy Garcia
Laboratory Technologist

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COMPLETE BLOOD COUNT (CBC)

INTERPRETATION NOTES :

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

Sample Type : EDTA Whole Blood

End of Report

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