



BML544009

Laboratory Investigation Report

Name	: Mr. MUHAMMAD IRFAN MUHAMMAD ZAMEER	Ref No.	: 45447
DOB	: 02/07/1988	Sample No.	: 2504557461
Age / Gender	: 36 Y / Male	Collected	: 01/04/2025 13:24
Referred by	: DR HUMAIRA	Registered	: 01/04/2025 22:54
Centre	: CITICARE MEDICAL CENTER	Reported	: 02/04/2025 00:00

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
LIPID PROFILE TEST					
CHOLESTEROL (TOTAL)	163		mg/dl	Desirable: < 200 Borderline High: 200 - 239 High: ≥ 240 Please note change. Source: Roche IFU.	Enzymatic colorimetric assay
HDL CHOLESTEROL	45		mg/dl	40 - 60 Please note change. Source: Roche IFU.	Homogeneous enzymatic colorimetric assay
LDL CHOLESTEROL DIRECT	96		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	41	H	mg/dL	< 30	Calculation
NON-HDL CHOLESTEROL	137		mg/dL	< 140	Calculation
TRIGLYCERIDES	203	H	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	2.1			< 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

Nazar Mohamed Ali
NAZAR MOHAMED ALI
Laboratory Technologist

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Page 1 of 3

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Registered : 01/04/2025 22:54
Reported : 01/04/2025 23:26

HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	14.6		g/dL	13.5 - 17.5	Photometric
RBC COUNT	5.2		10 ⁶ /μL	4.3 - 5.7	Electrical Impedance
HEMATOCRIT	42.5		%	38 - 50	Calculation
MCV	82.5		fL	82 - 98	Calculation
MCH	28.4		pg	27 - 32	Calculation
MCHC	34.4		g/dL	32 - 37	Calculation
RDW	13.4		%	11.8 - 15.6	Calculation
RDW-SD	38.9		fL		Calculation
MPV	7.4	L	fL	7.6 - 10.8	Calculation
PLATELET COUNT	443		10 ³ /uL	150 - 450	Electrical Impedance
PCT	0.3		%	0.01 - 9.99	Calculation
PDW	16.1		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC) [^]	0.1		/100 WBC		VCS 360 Technology
ABSOLUTE NRBC COUNT [^]	0.01		10 ³ /uL		Calculation
EARLY GRANULOCYTE COUNT (EGC) [^]	0.2		%		VCS 360 Technology
ABSOLUTE EGC [^]	0		10 ³ /uL		Calculation
WBC COUNT	12.8	H	10 ³ /μL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	70		%	40 - 75	VCS 360 Technology
LYMPHOCYTES	21		%	20 - 45	VCS 360 Technology
EOSINOPHILS	2		%	0 - 6	VCS 360 Technology
MONOCYTES	6		%	1 - 6	VCS 360 Technology
BASOPHILS	1		%	0 - 1	VCS 360 Technology
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	9.0	H	10 ³ /uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	2.6		10 ³ /uL	0.8 - 4.95	Calculation
ABSOLUTE MONOCYTE COUNT	0.6		10 ³ /uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.3		10 ³ /uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0.1		10 ³ /uL	0 - 0.11	Calculation

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


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


CHRISTEENA FRANCIS
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

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

Vyoma V. Shah
Dr. Vyoma V Shah
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CHRISTEENA FRANCIS
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