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MEDICAL LABORATORY

BML327276

Laboratory Investigation Report

Name	:	Mr. MUHAMMAD ZEESHAN MALIK	**Ref No.**	:	38500
DOB	:	29/07/1998	**Sample No.**	:	2404392469
Age / Gender	:	25 Y / Male	**Collected**	:	14/04/2024 21:00
Referred by	:	Dr. Sandia Bhojwani	**Registered**	:	15/04/2024 15:42
Centre	:	Peshawar Medical Center LLC	**Reported**	:	15/04/2024 19:07

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
C-REACTIVE PROTEIN (CRP)	0.4		mg/L	< 5.0	Immunoturbidimetry

Sample Type : Serum

End of Report

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

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

HARSHAD MANIKANDAN
Laboratory Technician
Printed on: 17/04/2024 13:25

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HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	16		g/dL	13.5 - 17.5	Spectrophotometry (Oxyhemoglobin)
RBC COUNT	5.2		10^6/µL	4.3 - 5.7	Electrical Impedance
HEMATOCRIT	47.2		%	38 - 50	Calculation
MCV	90.2		fL	82 - 98	Calculation
MCH	30.6		pg	27 - 32	Calculation
MCHC	33.9		g/dL	32 - 37	Calculation
RDW	12.1		%	11.8 - 15.6	Calculation
RDW-SD	37.6		fL		Calculation
MPV	9.6		fL	7.6 - 10.8	Calculation
PLATELET COUNT	231		10^3/µL	150 - 450	Electrical Impedance
PCT	0.2		%	0.01 - 9.99	Calculation
PDW	16.9		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC)^	0.1		/100 WBC		Flow Cytometry
ABSOLUTE NRBC COUNT^	0.01		10^3/uL		Calculation
EARLY GRANULOCYTE COUNT (EGC)^	0.4		%		Flow Cytometry
ABSOLUTE EGC^	0		10^3/uL		Calculation
WBC COUNT	9.9		10^3/µL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	55		%	40 - 75	Flow Cytometry
LYMPHOCYTES	34		%	20 - 45	Flow Cytometry
EOSINOPHILS	4		%	0 - 6	Flow Cytometry
MONOCYTES	6		%	1 - 6	Flow Cytometry
BASOPHILS	1		%	0 - 1	Flow Cytometry
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	5.3		10^3/uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	3.4		10^3/uL	0.8 - 4.95	Calculation
ABSOLUTE MONOCYTE COUNT	0.6		10^3/uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.4		10^3/uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0.1		10^3/uL	0 - 0.11	Calculation

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CHRISTEENA FRANCIS
Laboratory Technologist
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HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					

Interpretation Notes : Please note update on CBC report format and changes in reference ranges.

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HAEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
ERYTHROCYTE SEDIMENTATION RATE (ESR)	7		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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