

BML430015

Laboratory Investigation Report

Name	: Mr. GABRIEL	Ref No.	: 28686
DOB	:	Sample No.	: 2406439374
Age / Gender	: 59 Y / Male	Collected	: 28/06/2024 21:00
Referred by	: DR ENOMAN	Registered	: 28/06/2024 23:14
Centre	: Peshawar Medical Center LLC	Reported	: 29/06/2024 00:32

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
TROPONIN I (QUANTITATIVE)					
# TROPONIN I (QUANTITATIVE)	< 0.10		ng/mL	0 - 0.16 Source: Roche IFU.	ECLIA

Interpretation Notes :

Interpretation:

The Global MI Task Force's third version of the universal definition of myocardial infarction defined AMI as evidence of myocardial necrosis in a clinical setting consistent with acute myocardial ischemia. Under these circumstances, the following criterion meets the diagnosis of AMI:

Detection of a rise and/or fall of cardiac biomarker values (preferably cardiac troponin) with at least one value above the 99th percentile upper reference limit (URL) and with at least one of the following conditions:

- Symptoms of ischemia.
- New or presumed new significant ST-segment-T wave (ST-T) changes or new left bundle branch block (LBB).
- Development of pathological Q waves in the electrocardiogram (EKG).
- Imaging evidence of new loss of viable myocardium, or new regional wall motion abnormality.
- Identification of an intracoronary thrombus by angiography or autopsy.

The cardiac specificity of this isoform improves the accuracy of detection of cardiac muscle ischemia in patients with acute or chronic skeletal muscle injury and possible concomitant myocardial injury, and is the basis for its selection as a cardiac marker in the diagnosis of AMI.

Increased troponin levels may also be due to abnormally fast heart beat, High blood pressure in lung arteries (pulmonary hypertension), Blockage of a lung artery by a blood clot, fat or tumor cells (pulmonary embolus) Congestive heart failure, coronary artery spasm, myocarditis, prolonged exercise, cardiomyopathy, long term kidney disease. Increased troponin levels may also result from certain medical procedures such as cardiac angioplasty/stenting, heart defibrillation or electrical cardioversion (purposeful shocking of the heart by medical personnel to correct an abnormal heart rhythm), open heart surgery, radiofrequency ablation of the heart.

Reference: Siemens ADVIA Centaur kit insert.

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

This is an electronically authenticated report

Page 1 of 3

Printed on: 29/06/2024 11:18

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.





BML430015

Laboratory Investigation Report

Name : Mr. GABRIEL
DOB :
Age / Gender : 59 Y / Male
Referred by : DR ENOMAN
Centre : Peshawar Medical Center LLC

Ref No. : 28686
Sample No. : 2406439374
Collected : 28/06/2024 21:00
Registered : 28/06/2024 23:14
Reported : 29/06/2024 00:04

HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	15.6		g/dL	13.5 - 17.5	Spectrophotometry (Oxyhemoglobin)
RBC COUNT	5.5		10 ⁶ /μL	4.3 - 5.7	Electrical Impedance
HEMATOCRIT	46.9		%	38 - 50	Calculation
MCV	84.9		fL	82 - 98	Calculation
MCH	28.2		pg	27 - 32	Calculation
MCHC	33.3		g/dL	32 - 37	Calculation
RDW	13.1		%	11.8 - 15.6	Calculation
RDW-SD	38.9		fL		Calculation
MPV	8.4		fL	7.6 - 10.8	Calculation
PLATELET COUNT	260		10 ³ /uL	150 - 450	Electrical Impedance
PCT	0.2		%	0.01 - 9.99	Calculation
PDW	16.7		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC) [^]	0		/100 WBC		Flow Cytometry
ABSOLUTE NRBC COUNT [^]	0.0		10 ³ /uL		Calculation
EARLY GRANULOCYTE COUNT (EGC) [^]	0.4		%		Flow Cytometry
ABSOLUTE EGC [^]	0.0		10 ³ /uL		Calculation
WBC COUNT	8.9		10 ³ /μL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	60		%	40 - 75	Flow Cytometry
LYMPHOCYTES	31		%	20 - 45	Flow Cytometry
EOSINOPHILS	2		%	0 - 6	Flow Cytometry
MONOCYTES	6		%	1 - 6	Flow Cytometry
BASOPHILS	1		%	0 - 1	Flow Cytometry
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	5.1		10 ³ /uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	2.8		10 ³ /uL	0.8 - 4.95	Calculation
ABSOLUTE MONOCYTE COUNT	0.5		10 ³ /uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.2		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



Reena Babu
Laboratory Technologist

This is an electronically authenticated report

Page 2 of 3

Printed on: 29/06/2024 11:18

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.





BML430015

Laboratory Investigation Report

Name	: Mr. GABRIEL	Ref No.	: 28686
DOB	:	Sample No.	: 2406439374
Age / Gender	: 59 Y / Male	Collected	: 28/06/2024 21:00
Referred by	: DR ENOMAN	Registered	: 28/06/2024 23:14
Centre	: Peshawar Medical Center LLC	Reported	: 29/06/2024 00:04

HEMATOLOGY

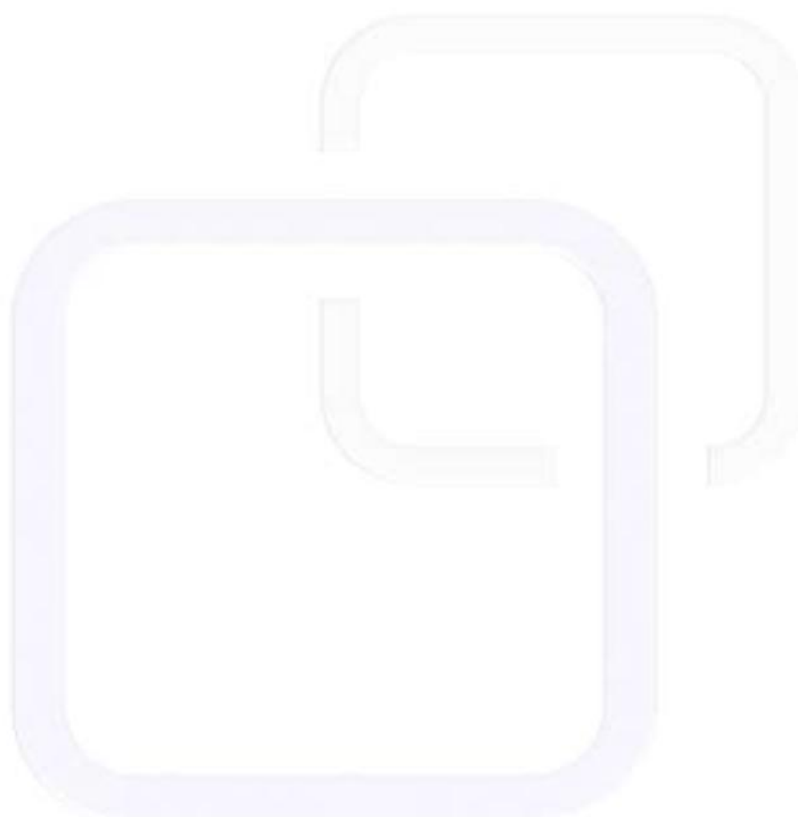
Test	Result	Flag	Unit	Reference Range	Methodology
------	--------	------	------	-----------------	-------------

COMPLETE BLOOD COUNT (CBC)

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

Sample Type : EDTA Whole Blood

End of Report



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

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



Reena Babu
Laboratory Technologist

This is an electronically authenticated report

Page 3 of 3

Printed on: 29/06/2024 11:18

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.

