



BML429249

Laboratory Investigation Report

Name	: Miss. MARY WAMAITHA KARANJA	Ref No.	: 39505
DOB	: 07/06/1999	Sample No.	: 2406438399
Age / Gender	: 25 Y / Female	Collected	: 26/06/2024 19:30
Referred by	: DR. HUMAIRA MUMTAZ	Registered	: 27/06/2024 18:07
Centre	: Peshawar Medical Center LLC	Reported	: 27/06/2024 21:30

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
C-REACTIVE PROTEIN (CRP)	< 0.6		mg/L	< 5.0 Please note change. Source: Roche IFU.	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

This is an electronically authenticated report

Page 1 of 6

Printed on: 27/06/2024 21:32

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.





BML429249

Laboratory Investigation Report

Name	: Miss. MARY WAMAITHA KARANJA	Ref No.	: 39505
DOB	: 07/06/1999	Sample No.	: 2406438399
Age / Gender	: 25 Y / Female	Collected	: 26/06/2024 19:30
Referred by	: DR. HUMAIRA MUMTAZ	Registered	: 27/06/2024 18:07
Centre	: Peshawar Medical Center LLC	Reported	: 27/06/2024 19:18

CLINICAL PATHOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
URINE ANALYSIS (ROUTINE)					
MACROSCOPIC EXAMINATION					
COLOR	YELLOW			Pale to Dark Yellow	Visual
APPEARANCE	TURBID			-	Visual
CHEMISTRY EXAMINATION					
SPECIFIC GRAVITY	1.015			1.002 - 1.035	Bromothymol blue
PH	6.5			4.5 - 8.0	Litmus paper
GLUCOSE	NEGATIVE			Negative	GOD / POD
BLOOD	NEGATIVE			Negative	Peroxidase
PROTEIN	NEGATIVE			Negative	Protein error of pH indicator
LEUCOCYTE ESTERASE	NEGATIVE			Negative	Esterase
UROBILINOGEN	0.2		E.U./dL	0.2 - 1.0	Diazo
BILIRUBIN	NEGATIVE			Negative	Diazo
KETONE	NEGATIVE			Negative	Legal's test
NITRITE	NEGATIVE			Negative	Griess test
MICROSCOPIC EXAMINATION					
LEUCOCYTES	1 - 2		/HPF	1 - 4	Microscopy
ERYTHROCYTES	0 - 1		/HPF	0 - 2	Microscopy
EPITHELIAL CELLS	10 - 12		/HPF	Variable	Microscopy
BACTERIA	Present		/HPF	Absent	Microscopy
CASTS	-		/HPF	Absent	Microscopy
HYALINE CAST	-		/HPF	Absent	Microscopy
FINE GRANULAR CAST	-		/HPF	Absent	Microscopy
COARSE GRANULAR CAST	-		/HPF	Absent	Microscopy
WAXY CAST	-		/HPF	Absent	Microscopy
FATTY CAST	-		/HPF	Absent	Microscopy
RBC CAST	-		/HPF	Absent	Microscopy
WBC CAST	-		/HPF	Absent	Microscopy
BACTERIAL CAST	-		/HPF	Absent	Microscopy
EPITHELIAL CAST	-		/HPF	Absent	Microscopy
CRYSTALS	-		/HPF	Absent	Microscopy

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

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


MUBASHER ZAHOOR
Laboratory Technologist
Printed on: 27/06/2024 21:32

This is an electronically authenticated report

Page 2 of 6

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.





BML429249

Laboratory Investigation Report

Name : Miss. MARY WAMAITHA KARANJA
DOB : 07/06/1999
Age / Gender : 25 Y / Female
Referred by : DR. HUMAIRA MUMTAZ
Centre : Peshawar Medical Center LLC

Ref No. : 39505
Sample No. : 2406438399
Collected : 26/06/2024 19:30
Registered : 27/06/2024 18:07
Reported : 27/06/2024 19:18

CLINICAL PATHOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
CALCIUM OXALATE	-		/HPF	Absent	Microscopy
CALCIUM CARBONATE	-		/HPF	Absent	Microscopy
CALCIUM PHOSPHATE	-		/HPF	Absent	Microscopy
TRIPLE PHOSPHATE	-		/HPF	Absent	Microscopy
URIC ACID CRYSTAL	-		/HPF	Absent	Microscopy
AMMONIUM BIURATE	-		/HPF	Absent	Microscopy
AMORPHOUS URATES	Present		/HPF	Absent	Microscopy
AMORPHOUS PHOSPHATES	-		/HPF	Absent	Microscopy
CYSTINE	-		/HPF	Absent	Microscopy
LEUCINE	-		/HPF	Absent	Microscopy
TYROSINE	-		/HPF	Absent	Microscopy
DRUG CRYSTAL	-		/HPF	Absent	Microscopy
MUCUS THREADS	-		/HPF	Absent	Microscopy
BUDDING YEAST CELLS	-		/HPF	Absent	Microscopy
HYPHAE	-		/HPF	Absent	Microscopy
OVA	-		/HPF	Absent	Microscopy and Micrometry
CYST	-		/HPF	Absent	Microscopy
PARASITE	-		/HPF	Absent	Microscopy
ARTIFACTS	-		/HPF	Absent	Microscopy

Comments : Please correlate clinically.

Interpretation Notes :

Instrumentation used for Chemistry test: Siemens Clinitek Advantus.

Note: "-" means Absent

Sample Type : URINE

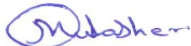
End of Report

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

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

This is an electronically authenticated report

Page 3 of 6


MUBASHER ZAHOOR
Laboratory Technologist
Printed on: 27/06/2024 21:32

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.





BML429249

Laboratory Investigation Report

Name	: Miss. MARY WAMAITHA KARANJA	Ref No.	: 39505
DOB	: 07/06/1999	Sample No.	: 2406438399
Age / Gender	: 25 Y / Female	Collected	: 26/06/2024 19:30
Referred by	: DR. HUMAIRA MUMTAZ	Registered	: 27/06/2024 18:07
Centre	: Peshawar Medical Center LLC	Reported	: 27/06/2024 19:08

HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	13.4		g/dL	12 - 15.5	Spectrophotometry (Oxyhemoglobin)
RBC COUNT	4.7		10 ⁶ /μL	3.9 - 5	Electrical Impedance
HEMATOCRIT	40.8		%	35 - 45	Calculation
MCV	86.4		fL	82 - 98	Calculation
MCH	28.5		pg	27 - 32	Calculation
MCHC	32.9		g/dL	32 - 37	Calculation
RDW	13.7		%	11.9 - 15.5	Calculation
RDW-SD	41.1		fL		Calculation
MPV	9		fL	7.6 - 10.8	Calculation
PLATELET COUNT	333		10 ³ /uL	150 - 450	Electrical Impedance
PCT	0.3		%	0.01 - 9.99	Calculation
PDW	16.8		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC) [^]	2.2		/100 WBC		Flow Cytometry
ABSOLUTE NRBC COUNT [^]	0.09		10 ³ /uL		Calculation
EARLY GRANULOCYTE COUNT (EGC) [^]	0.2		%		Flow Cytometry
ABSOLUTE EGC [^]	0.0		10 ³ /uL		Calculation
WBC COUNT	4.2		10 ³ /μL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	36	L	%	40 - 75	Flow Cytometry
LYMPHOCYTES	56		%	30 - 60	Flow Cytometry
EOSINOPHILS	3		%	0 - 6	Flow Cytometry
MONOCYTES	5		%	1 - 6	Flow Cytometry
BASOPHILS	0		%	0 - 1	Flow Cytometry
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	1.5	L	10 ³ /uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	2.1		10 ³ /uL	1.2 - 6.6	Calculation
ABSOLUTE MONOCYTE COUNT	0.4		10 ³ /uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.1		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



MOHAMMED RASHID CHENANGADATH
Laboratory Technologist

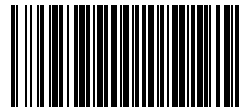
This is an electronically authenticated report

Page 4 of 6

Printed on: 27/06/2024 21:32

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.





Laboratory Investigation Report

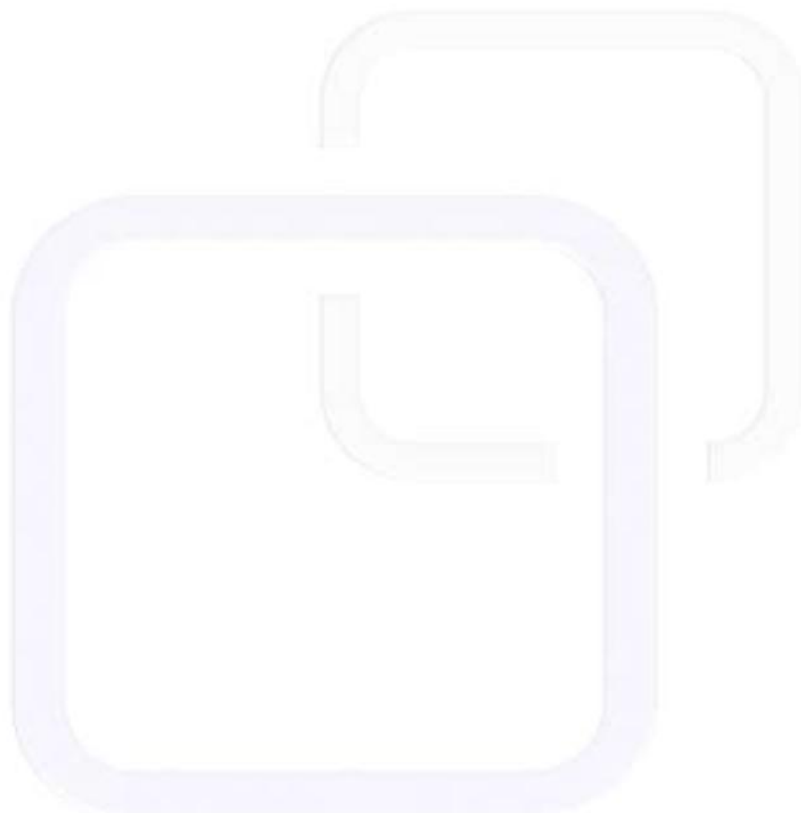
Name	: Miss. MARY WAMAITHA KARANJA	Ref No.	: 39505
DOB	: 07/06/1999	Sample No.	: 2406438399
Age / Gender	: 25 Y / Female	Collected	: 26/06/2024 19:30
Referred by	: DR. HUMAIRA MUMTAZ	Registered	: 27/06/2024 18:07
Centre	: Peshawar Medical Center LLC	Reported	: 27/06/2024 19:08

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.



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

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

This is an electronically authenticated report

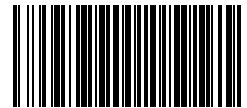
Page 5 of 6

MOHAMMED RASHID CHENANGADATH
Laboratory Technologist

Printed on: 27/06/2024 21:32

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.





BML429249

Laboratory Investigation Report

Name	: Miss. MARY WAMAITHA KARANJA	Ref No.	: 39505
DOB	: 07/06/1999	Sample No.	: 2406438399
Age / Gender	: 25 Y / Female	Collected	: 26/06/2024 19:30
Referred by	: DR. HUMAIRA MUMTAZ	Registered	: 27/06/2024 18:07
Centre	: Peshawar Medical Center LLC	Reported	: 27/06/2024 19:02

HAEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
ERYTHROCYTE SEDIMENTATION RATE (ESR)	8		mm/hr	< 20 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

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 6 of 6

Printed on: 27/06/2024 21:32

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.

