

Laboratory Investigation Report

BML290098

Name	: Ms. SOUZAN MOHAMAD	Ref No.	: 26595
DOB	: 01/01/2006	Sample No.	: 2310293785
Age / Gender	: 17 Y 9 M / Female	Collected	: 22/10/2023 13:00
Referred by	: DR. SAJID	Registered	: 22/10/2023 22:15
Centre	: Peshawar Medical Center LLC	Reported	: 23/10/2023 08:11

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
IRON	39	L	ug/dL	50 - 170	Colorimetric without ppt (Ferene)

Interpretation Notes :

Increased iron or Chronic iron overload may be due to excessive iron intake, hereditary hemochromatosis, multiple blood transfusions, and a few other conditions. Decreased level leads to Iron deficiency may be seen with insufficient intake, inadequate absorption or increased nutrient requirements as seen during pregnancy or with acute or chronic blood loss

Sample Type : Serum

End of Report

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

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


BHAVYA THENDANKANDY
Biochemistry Technologist

This is an electronically authenticated report

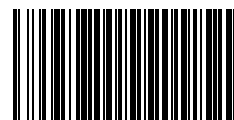
Page 1 of 4

Printed on: 23/10/2023 16:20

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



BML290098

Name : Ms. SOUZAN MOHAMAD
DOB : 01/01/2006
Age / Gender : 17 Y 9 M / Female
Referred by : DR. SAJID
Centre : Peshawar Medical Center LLC

Ref No. : 26595
Sample No. : 2310293785
Collected : 22/10/2023 13:00
Registered : 22/10/2023 22:15
Reported : 23/10/2023 00:42

HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	13.7		g/dL	12 - 15.5	Spectrophotometry (Oxyhemoglobin)
RBC COUNT	4.5		10 ⁶ /μL	3.9 - 5	Electrical Impedance
HEMATOCRIT	40		%	35 - 45	Calculation
MCV	89.6		fL	82 - 98	Calculation
MCH	30.6		pg	27 - 32	Calculation
MCHC	34.2		g/dL	32 - 37	Calculation
RDW	13.3		%	11.9 - 15.5	Calculation
RDW-SD	42.4		fL		Calculation
MPV	8.1		fL	7.6 - 10.8	Calculation
PLATELET COUNT	220		10 ³ /μL	150 - 450	Electrical Impedance
PCT	0.2		%	0.01 - 9.99	Calculation
PDW	16.5		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) [^]	0.3		%		Flow Cytometry
ABSOLUTE EGC [^]	0		10 ³ /uL		Calculation
WBC COUNT	7.4		10 ³ /μL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	76	H	%	40 - 75	Flow Cytometry
LYMPHOCYTES	19	L	%	30 - 60	Flow Cytometry
EOSINOPHILS	1		%	0 - 6	Flow Cytometry
MONOCYTES	4		%	1 - 6	Flow Cytometry
BASOPHILS	0		%	0 - 1	Flow Cytometry
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	5.6		10 ³ /uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	1.2		10 ³ /uL	1.2 - 6.6	Calculation
ABSOLUTE MONOCYTE COUNT	0.5		10 ³ /uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.1		10 ³ /uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0		10 ³ /uL	0 - 0.11	Calculation

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

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

This is an electronically authenticated report

Page 2 of 4

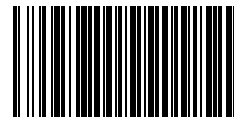
Haleem

HALEEM HAKKIM
Laboratory Technician

Printed on: 23/10/2023 16:20

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

BML290098

Name	: Ms. SOUZAN MOHAMAD	Ref No.	: 26595
DOB	: 01/01/2006	Sample No.	: 2310293785
Age / Gender	: 17 Y 9 M / Female	Collected	: 22/10/2023 13:00
Referred by	: DR. SAJID	Registered	: 22/10/2023 22:15
Centre	: Peshawar Medical Center LLC	Reported	: 23/10/2023 00:42

HEMATOLOGY

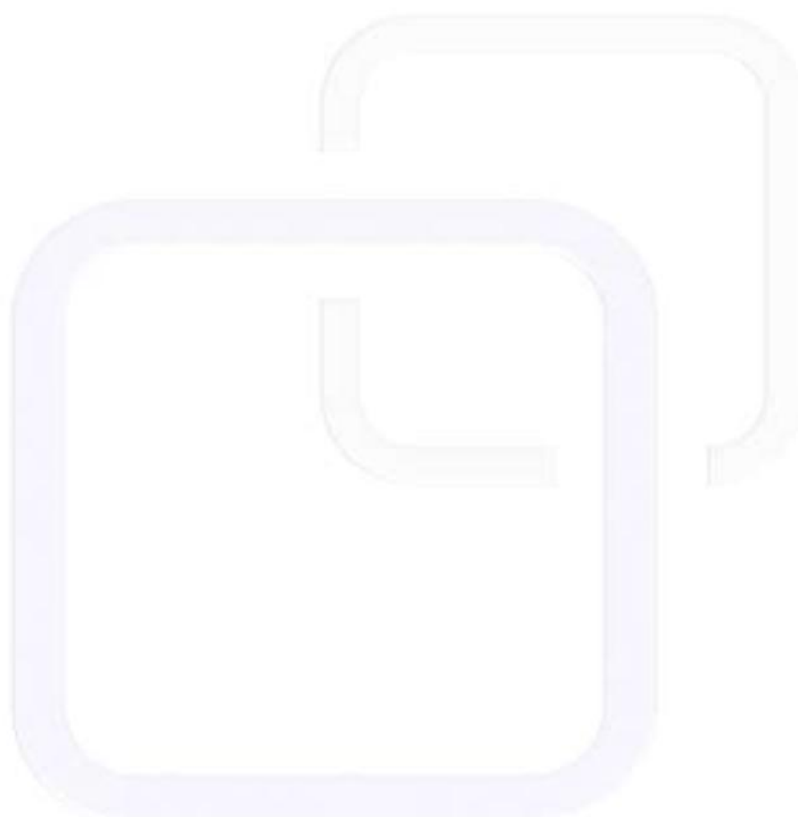
Test	Result	Flag	Unit	Reference Range	Methodology
------	--------	------	------	-----------------	-------------

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

Haleem

HALEEM HAKKIM
Laboratory Technician

This is an electronically authenticated report

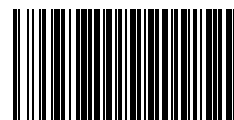
Page 3 of 4

Printed on: 23/10/2023 16:20

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



BML290098

Name	: Ms. SOUZAN MOHAMAD	Ref No.	: 26595
DOB	: 01/01/2006	Sample No.	: 2310293785
Age / Gender	: 17 Y 9 M / Female	Collected	: 22/10/2023 13:00
Referred by	: DR. SAJID	Registered	: 22/10/2023 22:15
Centre	: Peshawar Medical Center LLC	Reported	: 23/10/2023 08:11

ENDOCRINOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
THYROID STIMULATING HORMONE (TSH)	2.09		uIU/mL	0.27 - 4.20 Reference Range for Pregnant: First Trimester: 0.24 - 2.99 Second Trimester: 0.46 - 2.95 Third Trimester: 0.43 - 2.78	CLIA

Sample Type : Serum

End of Report

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

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


BHAVYA THENDANKANDY
Biochemistry Technologist

This is an electronically authenticated report

Page 4 of 4

Printed on: 23/10/2023 16:20

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.

