



BML396058

Laboratory Investigation Report

Name	: MARIA YANEY	Ref No.	: 38080
DOB	: 06/04/1978	Sample No.	: 2405403799
Age / Gender	: 46 Y 1 M / Female	Collected	: 07/05/2024 10:30
Referred by	: Peshawar Medical Center LLC	Registered	: 07/05/2024 15:47
Centre	: Peshawar Medical Center LLC	Reported	: 07/05/2024 19:40

BIOCHEMISTRY

Test	Result	Flag	Unit	Reference Range	Methodology
IRON	57		ug/dL	33 - 193 Please note change. Source: Roche IFU.	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

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Page 1 of 4

Haleem

HALEEM HAKKIM
Laboratory Technician

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HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	11.3	L	g/dL	12 - 15.5	Spectrophotometry (Oxyhemoglobin)
RBC COUNT	3.7	L	10 ⁶ /μL	3.9 - 5	Electrical Impedance
HEMATOCRIT	34.1	L	%	35 - 45	Calculation
MCV	93.2		fL	82 - 98	Calculation
MCH	30.9		pg	27 - 32	Calculation
MCHC	33.2		g/dL	32 - 37	Calculation
RDW	12.5		%	11.9 - 15.5	Calculation
RDW-SD	39.8		fL		Calculation
MPV	10.6		fL	7.6 - 10.8	Calculation
PLATELET COUNT	258		10 ³ /μL	150 - 450	Electrical Impedance
PCT	0.3		%	0.01 - 9.99	Calculation
PDW	17.7		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC) [^]	0.3		/100 WBC		Flow Cytometry
ABSOLUTE NRBC COUNT [^]	0.02		10 ³ /uL		Calculation
EARLY GRANULOCYTE COUNT (EGC) [^]	0.2		%		Flow Cytometry
ABSOLUTE EGC [^]	0.0		10 ³ /uL		Calculation
WBC COUNT	6.4		10 ³ /μL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	60		%	40 - 75	Flow Cytometry
LYMPHOCYTES	35		%	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	3.5		10 ³ /uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	2.1		10 ³ /uL	1.2 - 6.6	Calculation
ABSOLUTE MONOCYTE COUNT	0.6		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

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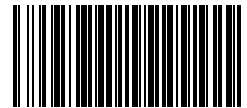
Page 2 of 4


MOHAMMED RASHID CHENANGADATH
Laboratory Technologist

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HEMATOLOGY

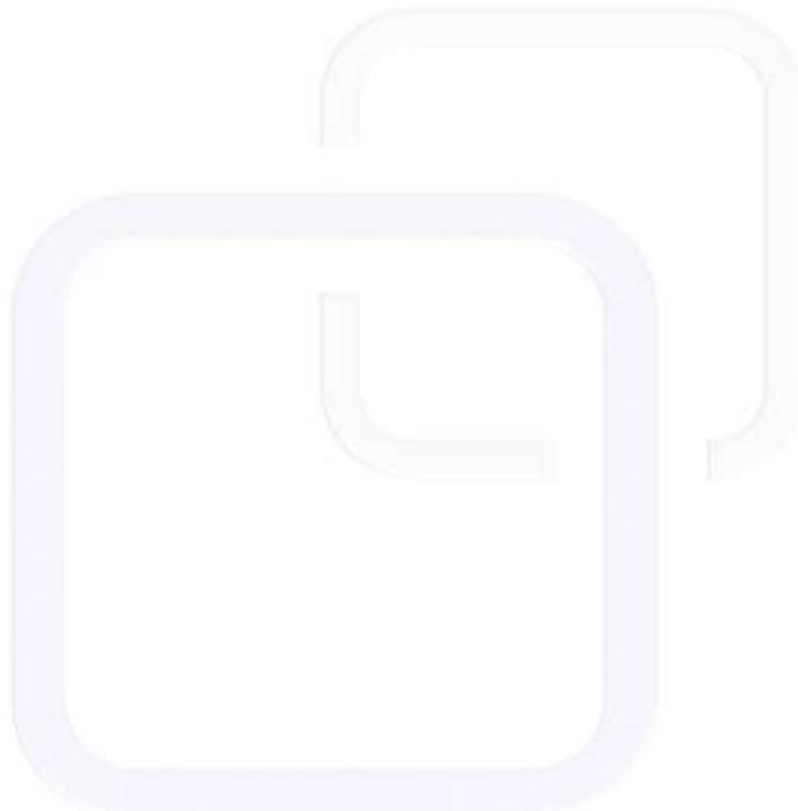
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COMPLETE BLOOD COUNT (CBC)

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

Sample Type : EDTA Whole Blood

End of Report



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Page 3 of 4

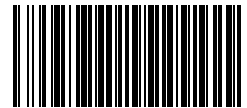


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IMMUNOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
FERRITIN	7		ng/mL	6 - 175 Please note change. Source: Mayo Clinic Laboratories.	ECLIA

Interpretation Notes :

Interpretation:

Increased level is seen in haemochromatosis, porphyria, rheumatoid arthritis, liver disease, hyperthyroidism, adult stills disease, type 2 diabetes, leukemia, Hodgkins lymphoma, iron poisoning, in inflammation, frequent blood transfusion, alcohol abuse
Decreased level is seen in any Iron deficiency conditions such as heavy menstrual bleeding, pregnancy, not enough iron in the diet, or bleeding inside the intestinal tract (from ulcers, colon polyps, colon cancer, hemorrhoids, or other conditions).

Sample Type : Serum

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