

LABORATORY REPORT

Name	: ROAA NABIL KAMAL AL DIN	File. No.	: AAL02-310657
DOB/Gender	: 13-01-2001 (22 Yrs 4 Month 6 Days/Female)	Referral Doctor	: Self
Lab No.	: 22231390207	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 19-05-2023 13:54	Clinic File No	: 40144
Insurance	: No		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	4.45	10 ¹² /L	3.80 - 4.80	Hydrodynamic focusing (DC Detection)
Haemoglobin	11.4 ^L	g/dl	12.0 - 15.0	Photometry-SLS
HCT	34.8 ^L	%	36.0 - 46.0	Hydrodynamic focusing
MCV	78.2 ^L	fl	83.0 - 101.0	Calculation
MCH	25.6 ^L	pg	27-32	Calculation
MCHC	32.8	g/dL	31.5 - 34.5	Calculation
Platelet Count	244	10 ³ /uL	150-400	Hydrodynamic Focusing(DCD)
WBC	8.40	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	47.5	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	42.3 ^H	%	20.0 - 40.0	Flow Cytometry
Monocytes	6.0	%	2-10	Flow Cytometry
Eosinophils	3.8	%	1 - 6	Flow Cytometry
Basophils	0.4	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	4.00	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	3.55 ^H	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.50	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.32	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.03	10 ³ /uL	0.02 - 0.10	Calculation
Band Forms (Absolute)	0.00	10 ³ /uL	< 0.66	Calculation

Remarks:

Recommended to do peripheral smear, iron studies and thalassemia screening. Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

These tests are accredited under ISO 15189:2012 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertains only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

H/L Collected On : 19-05-2023 12:00:00
Authenticated On : 19-05-2023 15:19:56
Printed On : 19-05-2023 16:38:33

Received On : 19-05-2023 13:55:00
Released On : 19-05-2023 15:36:25
Reprinted On : 19-05-2023 16:40:16

Wasik

Wasik Hasan Tisekar
Laboratory Technician
DHA-P-0039673

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Test Name	Result	Units	Ref. Range	Method
<u>ERYTHROCYTE SEDIMENTATION RATE (ESR)</u>				
ESR (whole blood)	10	mmhr	up to 15	Modified Westergren

Sample Type : EDTA WB

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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Glucose - Fasting	75.05	mg/dL	70 - 100	Hexokinase/G-6-PDH

According to American Diabetes Association 2010, fasting plasma glucose (FPG) levels of (100-125 mg/dl) are in the increased risk category for diabetes.

Sample Type : Fluoride Plasma

CRP - quant (serum)	<0.20	mg/L	< 5.0	Immunoturbidimetric
Creatinine (serum)	0.69	mg/dL	0.5 - 1.0	Alkaline Picrate

Kindly note that the reference range is effective from 17-01-2023.

Iron (serum)	19.6 ^L	ug/dL	50.0 - 170.0	Ferene
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Remarks:

Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

Sample Type : Serum

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HORMONES/ENDOCRINE/TUMOR MARKERS

Test Name	Result	Units	Ref. Range	Method
TSH (serum)	2.4381	μIU/mL	0.3500 - 4.9400 Pregnancy First Trimester : 0.1 - 2.5 Second Trimester : 0.2 - 3.0 Third Trimester : 0.3 - 3.0	CMIA

Sample Type : Serum

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**LIPID PROFILE I
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
Cholesterol (serum)	173.0	mg/dL	Desirable: < 200 Border High: 200 - 239 High: >= 240	Enzymatic
Triglycerides (serum)	120.0	mg/dL	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: >= 500	Glycerol Phosphate Oxidase
HDL Cholesterol	40.7	mg/dL	> 40.0	Accelerator Selective Detergent
LDL Cholesterol	123.8	mg/dL	Optimal: < 100 Near Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: >= 190	Liquid Selective detergent
*VLDL	8.5	mg/dL	5.0 - 30.0	Calculation
*Cholesterol / HDL	4.3	Ratio	Desirable: < 4.5 Borderline: 4.5 - 6 Undesirable: > 6	Calculation

Sample Type : Serum

----- End Of Report -----

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