

LABORATORY REPORT

Name	: SONIYA VARGHESE VARGHESE	File. No.	: AAL02-355627
DOB/Gender	: 21-02-1993 (30 Yrs 8 Month 9 Days/Female)	Referral Doctor	: Dr. Sajid Sanaullah Khan
Lab No.	: 22233030460	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 30-10-2023 22:17	Clinic File No	: 41290
Insurance	: NEURON		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	4.65	10 ¹² /L	3.80 - 4.80	Hydrodynamic focusing (DC Detection)
Haemoglobin	13.0	g/dl	12.0 - 15.0	Photometry-SLS
HCT	38.5	%	36.0 - 46.0	Hydrodynamic focusing
MCV	82.8 ^L	fl	83.0 - 101.0	Calculation
MCH	28.0	pg	27-32	Calculation
MCHC	33.8	g/dL	31.5 - 34.5	Calculation
Platelet Count	384	10 ³ /uL	150-400	Hydrodynamic Focusing(DCD)
WBC	12.84 ^H	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	59.9	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	32.8	%	20.0 - 40.0	Flow Cytometry
Monocytes	5.4	%	2-10	Flow Cytometry
Eosinophils	1.6	%	1 - 6	Flow Cytometry
Basophils	0.3	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	7.70 ^H	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	4.21 ^H	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.69	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.20	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.04	10 ³ /uL	0.02 - 0.10	Calculation
Band Forms (Absolute)	0.00	10 ³ /uL	< 0.66	Calculation

Remarks:

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 : 30-10-2023 11:00:00
Authenticated On : 31-10-2023 00:10:14
Printed On : 31-10-2023 00:24:41

Received On : 30-10-2023 22:20:00
Released On : 31-10-2023 00:10:59
Reprinted On : 31-10-2023 11:03:15



Esmeralda Obenita
Lab Incharge
DHA/LS/2992011/ 241430

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Test Name	Result	Units	Ref. Range	Method
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Sample Type : EDTA WB

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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Glucose - Fasting	87.83	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

ALT / GPT (serum)	23.0	U/L	<= 55	NADH w/o P5P
AST / GOT - (serum)	16.3	U/L	5.0 - 34.0	NADH w/o P5P
Creatinine (serum)	0.68	mg/dL	0.5 - 1.0	Alkaline Picrate

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

Urea (serum)	19.80	mg/dL	12.84 - 42.80	Urease
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Kindly note new reference range for Urea effective from 31/1/2022

Sample Type : Serum

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HORMONES/ENDOCRINE/TUMOR MARKERS

Test Name	Result	Units	Ref. Range	Method
Free T3 (serum)	2.60	pg/mL	1.58 - 3.91 Pregnancy: 2.0 - 3.80	CMIA

Kindly note new reference range for FT3 effective from 11/10/2022

**TSH (Thyroid Stimulating Hormone)	2.3500	μIU/mL	0.27-4.20 Pregnancy: 1st Trimester: 0.33 - 4.59 2nd Trimester: 0.35 - 4.10 3rd Trimester: 0.21 - 3.15	ECLIA
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Conversion Formula: (Concentration in IU/ mL) × (1.0) = mIU/L. The determination of TSH serves as the initial test in thyroid diagnostics. Even very slight changes in the concentrations of the free thyroid hormones bring about much greater opposite changes in the TSH level. Accordingly, TSH is a very sensitive and specific parameter for assessing thyroid function and is particularly suitable for early detection or exclusion of disorders in the central regulating circuit between the hypothalamus, pituitary and thyroid. Please note Reference Range Reviewed w.ef 15/10/23.

Total T4 (serum)	9.10	ug/dL	4.87 - 11.72	CMIA
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Sample Type : Serum

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

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