

LABORATORY REPORT

Name : **EMMANUEL OKECHUKWU** File. No. : **AAL02-334471**
DOB/Gender : **09-10-1992 (30 Yrs 11 Month 11 Days/Male)** Referral Doctor : **Dr. Sajid Sanaullah Khan**
Lab No. : **22232630002** Referral Clinic : **Peshawar(Irham Medical Center)**
Request Date : **20-09-2023 07:30** Clinic File No : **29880**
Insurance : **NATIONAL GENERAL INSURANCE (HEALTHNET)**

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	4.65	10 ¹² /L	4.50 - 5.50	Hydrodynamic focusing (DC Detection)
Haemoglobin	14.2	g/dl	13.0 - 17.0	Photometry-SLS
HCT	52.3^H	%	40.0 - 50.0	Hydrodynamic focusing
MCV	91.0	fl	83.0 - 101.0	Calculation
MCH	30.5	pg	27-32	Calculation
MCHC	33.6	g/dL	31.5 - 34.5	Calculation
Platelet Count	192	10 ³ /uL	150 - 400	Hydrodynamic Focusing(DCD)
WBC	5.87	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	45.9	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	42.9^H	%	20.0 - 40.0	Flow Cytometry
Monocytes	9.0	%	2.0-10.0	Flow Cytometry
Eosinophils	1.2	%	1 - 6	Flow Cytometry
Basophils	1.0	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	2.69	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	2.52	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.53	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.07	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.06	10 ³ /uL	0.02 - 0.10	Calculation
Band Forms (Absolute)	0.00	10 ³ /uL	< 0.66	Calculation

Remarks:

Platelet count estimation done manually. 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 : 19-09-2023 20:00:00 Received On : 20-09-2023 07:31:00
Authenticated On : 20-09-2023 16:45:17 Released On : 20-09-2023 17:18:04
Printed On : 20-09-2023 18:46:09

Prings

Padmapriya Kumaresan
Sr. Technician
DHA/LS2992011/243822

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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(RBS)	72.56	mg/dL	Fasting: 70 - 100 1 hr post eating: 70 - 187 2 hrs post eating: 70 - 134	Hexokinase/G-6-PDH
<i>Sample Type : Fluoride Plasma</i>				
ALT / GPT (serum)	64.9^H	U/L	<= 55	NADH w/o P5P
AST / GOT - (serum)	23.5	U/L	5.0 - 34.0	NADH w/o P5P
Creatinine (serum)	0.97	mg/dL	0.6 - 1.2	Alkaline Picrate
<i>Kindly note that the reference range is effective from 17-01-2023.</i>				
Urea (serum)	30.43	mg/dL	12.84 - 42.80	Urease

Kindly note new reference range for Urea effective from 31/1/2022

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) Sample Type : Serum	1.4083	μIU/mL	0.3500 - 4.9400	CMIA

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**LIPID PROFILE I
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
Cholesterol (serum)	196.8	mg/dL	Desirable: < 200 Border High: 200 - 239 High: >= 240	Enzymatic
Triglycerides (serum)	80.0	mg/dL	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: >= 500	Glycerol Phosphate Oxidase
HDL Cholesterol	43.6	mg/dL	> 40.0	Accelerator Selective Detergent
LDL Cholesterol	136.7^H	mg/dL	Optimal: < 100 Near Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: >= 190	Liquid Selective detergent
*VLDL	16.6	mg/dL	5.0 - 30.0	Calculation
*Cholesterol / HDL	4.5^H	Ratio	Desirable: < 4.5 Borderline: 4.5 - 6 Undesirable: > 6	Calculation

Remarks:

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Sample Type : Serum

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

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