

LABORATORY REPORT

Name	: MUHAMMAD OBAIDULLAH ULLAH KHAN	File. No.	: AAL02-339780
DOB/Gender	: 27-12-1985 (37 Yrs 8 Month 3 Days/Male)	Referral Doctor	: Self
Lab No.	: 22232410335	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 29-08-2023 20:48	Clinic File No	: 40816
Insurance	: No		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	5.59 ^H	10 ¹² /L	4.50 - 5.50	Hydrodynamic focusing (DC Detection)
Haemoglobin	13.1	g/dl	13.0 - 17.0	Photometry-SLS
HCT	40.8	%	40.0 - 50.0	Hydrodynamic focusing
MCV	73.0 ^L	fl	83.0 - 101.0	Calculation
MCH	23.4 ^L	pg	27-32	Calculation
MCHC	32.1	g/dL	31.5 - 34.5	Calculation
Platelet Count	270	10 ³ /uL	150 - 400	Hydrodynamic Focusing(DCD)
WBC	8.37	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	55.1	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	35.8	%	20.0 - 40.0	Flow Cytometry
Monocytes	5.7	%	2.0-10.0	Flow Cytometry
Eosinophils	2.6	%	1 - 6	Flow Cytometry
Basophils	0.8	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	4.60	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	3.00	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.48	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.22	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.07	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 : 29-08-2023 13:00:00
Authenticated On : 29-08-2023 23:17:10
Printed On : 30-08-2023 10:32:03

Received On : 29-08-2023 20:50:00
Released On : 29-08-2023 23:22:24



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
HbA1c (whole blood)	5.3	%	Normal: =< 5.6 High risk/prediabetes: 5.7-6.4* Diabetes: => 6.5**	Enzymatic

* Requires screening by glucose criteria.

** Confirm by repeating the test on a different day.

Kindly note new reference range for HbA1c effective from 7/6/2020.

<i>Sample Type : EDTA WB</i>				
Glucose(RBS)	91.69	mg/dL	Fasting: 70 - 100 1 hr post eating: 70 - 187 2 hrs post eating: 70 - 134	Hexokinase/G-6-PDH

Sample Type : Fluoride Plasma

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**LIPID PROFILE I
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
Cholesterol (serum)	284.0^H	mg/dL	Desirable: < 200 Border High: 200 - 239 High: >= 240	Enzymatic
Triglycerides (serum)	720.0^H	mg/dL	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: >= 500	Glycerol Phosphate Oxidase
HDL Cholesterol	37.0^L	mg/dL	> 40.0	Accelerator Selective Detergent
LDL Cholesterol	141.1^H	mg/dL	Optimal: < 100 Near Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: >= 190	Liquid Selective detergent
*VLDL	105.9^H	mg/dL	5.0 - 30.0	Calculation
*Cholesterol / HDL	7.7^H	Ratio	Desirable: < 4.5 Borderline: 4.5 - 6 Undesirable: > 6	Calculation

Remarks:

Due to high Triglycerides levels, a confirmation test is required with a fresh sample. It is advised to repeat the test after one week combined with abstaining from oily, fatty, dairy food as well as nuts. 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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**KIDNEY & LIVER FUNCTION TEST
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
AST / GOT - (serum)	15.8	U/L	5.0 - 34.0	NADH w/o P5P
ALT / GPT (serum)	14.4	U/L	<= 55	NADH w/o P5P
ALP (serum)	49.0 ^L	U/L	50 - 116	Para-nitrophenyl Phosphate

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

Gamma-GT (serum)	24.7	U/L	<55	L-G-glutamyl-3-carboxy-4-nitroanilide Substrat
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Kindly note new reference range for GGT effective from 17/6/2022

Bilirubin - Total (serum)	0.35	mg/dL	0.20 - 1.20	Diazo Reaction
Bilirubin - Direct (serum)	0.11	mg/dL	< 0.50	Diazo Reaction
*Bilirubin - Indirect	0.24	mg/dL	0.10 - 1.00	Calculation
Protein- Total (serum)	8.01	g/dL	6.40 - 8.30	Biuret
Albumin (serum)	4.42	g/dL	3.50 - 5.00	Bromocresol Purple

Kindly note new reference range for Albumin reference range updated as on 18th December 2021.

Globulin (serum)	3.59 ^H	g/dL	2.50 - 3.50	Calculation
Creatinine (serum)	0.88	mg/dL	0.6 - 1.2	Alkaline Picrate

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

Urea (serum)	34.11	mg/dL	12.84 - 42.80	Urease
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Kindly note new reference range for Urea effective from 31/1/2022

Uric Acid (serum)	7.54	mg/dL	3.7 - 7.7	Uricase
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Kindly note new reference range for Uric acid effective from 20/1/2022

Calcium (serum)	9.3	mg/dL	8.4 - 10.2	Arsenazo III
Phosphorus (serum)	4.3	mg/dL	2.3 - 4.7	Phosphomolybdate
Sodium (serum)	142.0	mmol/L	135.0 - 145.0	ISE
Potassium (serum)	5.0	mmol/L	3.8 - 5.5	ISE

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Test Name	Result	Units	Ref. Range	Method
Chloride (serum)	104.0	mmol/L	98.0 - 107.0	ISE

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Sample Type : Serum

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

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