

LABORATORY REPORT

Name	: IBRAHIM AHMED	File. No.	: AAL02-318995
DOB/Gender	: 17-04-1971 (52 Yrs 1 Month 27 Days/Male)	Referral Doctor	: Dr. Sumaiya Galib
Lab No.	: 22231630582	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 12-06-2023 21:45	Clinic File No	: 34389
Insurance	: NAS ADMINISTRATION SERVICES LTD		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	5.38	10 ¹² /L	4.50 - 5.50	Hydrodynamic focusing (DC Detection)
Haemoglobin	15.1	g/dl	13.0 - 17.0	Photometry-SLS
HCT	44.9	%	40.0 - 50.0	Hydrodynamic focusing
MCV	83.5	fl	83.0 - 101.0	Calculation
MCH	28.1	pg	27-32	Calculation
MCHC	33.6	g/dL	31.5 - 34.5	Calculation
Platelet Count	262	10 ³ /uL	150 - 400	Hydrodynamic Focusing(DCD)
WBC	10.07 ^H	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	46.2	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	42.9 ^H	%	20.0 - 40.0	Flow Cytometry
Monocytes	8.6	%	2.0-10.0	Flow Cytometry
Eosinophils	1.6	%	1 - 6	Flow Cytometry
Basophils	0.7	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	4.65	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	4.32 ^H	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.87	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.16	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:

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 : 12-06-2023 19:00:00
Authenticated On : 12-06-2023 23:34:08
Printed On : 13-06-2023 11:00:30

Received On : 12-06-2023 22:21:00
Released On : 12-06-2023 23:35:28

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)	5.9 ^H	%	Normal: =< 5.6 High risk/prediabetes: 5.7-6.4* Diabetes: => 6.5**	Enzymatic

* Requires screening by glucose criteria.

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

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

Sample Type : EDTA WB

CRP - quant (serum)	47.84 ^H	mg/L	< 5.0	Immunoturbidimetric
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Sample Type : Serum

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Lab No. : **22231630582** Referral Clinic : **Peshawar(Irham Medical Center)**
Request Date : **12-06-2023 21:45** Clinic File No : **34389**
Insurance : **NAS ADMINISTRATION SERVICES LTD**

KIDNEY/RENAL FUNCTION TEST (RANDOM)
CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Glucose(RBS)	111.22	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>				
Albumin (serum)	3.69	g/dL	3.50 - 5.00	Bromocresol Purple
Kindly note new reference range for Albumin reference range updated as on 18th December 2021.				
Calcium (serum)	9.2	mg/dL	8.4 - 10.2	Arsenazo III
Chloride (serum)	104.0	mmol/L	98.0 - 107.0	ISE
Creatinine (serum)	0.75	mg/dL	0.6 - 1.3	Alkaline Picrate
Kindly note that the reference range is effective from 17-01-2023.				
Phosphorus (serum)	3.9	mg/dL	2.3 - 4.7	Phosphomolybdate
Potassium (serum)	4.3	mmol/L	3.8 - 5.5	ISE
Sodium (serum)	140.0	mmol/L	135.0 - 145.0	ISE
*Total CO2 (Bicarbonate)	20.8^L	mmol/L	22.0 - 29.0	Photometry
Urea (serum)	30.88	mg/dL	12.84 - 42.80	Urease

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

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**LIPID PROFILE I
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
Cholesterol (serum)	206.6 ^H	mg/dL	Desirable: < 200 Border High: 200 - 239 High: >= 240	Enzymatic
Triglycerides (serum)	193.0 ^H	mg/dL	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: >= 500	Glycerol Phosphate Oxidase
HDL Cholesterol	33.1 ^L	mg/dL	> 40.0	Accelerator Selective Detergent
LDL Cholesterol	161.5 ^H	mg/dL	Optimal: < 100 Near Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: >= 190	Liquid Selective detergent
*VLDL	38.6 ^H	mg/dL	5.0 - 30.0	Calculation
*Cholesterol / HDL	6.2 ^H	Ratio	Desirable: < 4.5 Borderline: 4.5 - 6 Undesirable: > 6	Calculation

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Sample Type : Serum

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

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