

LABORATORY REPORT

Name	: MUHAMMAD ABBAS MUHAMMAD ASHRAF	File. No.	: AAL02-389834
DOB/Gender	: 13-02-1980 (44 Yrs 2 Month 12 Days/Male)	Referral Doctor	: Dr. Zahid Hanif
Lab No.	: 22241160180	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 25-04-2024 14:15:27	Clinic File No	: 27034
Insurance	: No		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	5.00	10 ¹² /L	4.50 - 5.50	Hydrodynamic focusing (DC Detection)
Haemoglobin	14.4	g/dl	13.0 - 17.0	Photometry-SLS
HCT	42.5	%	40.0 - 50.0	Hydrodynamic focusing (HF)
MCV	85.0	fl	83.0 - 101.0	Calculation
MCH	28.8	pg	27-32	Calculation
MCHC	33.9	g/dL	31.5 - 34.5	Calculation
Platelet Count	261	10 ³ /uL	150 - 400	HF (DCD)
WBC	8.14	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	52.7	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	32.9	%	20.0 - 40.0	Flow Cytometry
Monocytes	8.0	%	2.0-10.0	Flow Cytometry
Eosinophils	5.3	%	1 - 6	Flow Cytometry
Basophils	1.1	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	4.29	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	2.68	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.65	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.43	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.09	10 ³ /uL	0.02 - 0.10	Calculation
Band Forms (Absolute)	0.00	10 ³ /uL	< 0.66	Calculation

Sample Type : EDTA WB

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

Patient Sample Collected On : 25-04-2024 10:00:00
Authenticated On : 26-04-2024 01:21:47

Received On : 25-04-2024 19:58:00
Released On : 26-04-2024 01:36:22



Esmeralda Obenita
Lab Incharge
DHA/LS/2992011/
241430

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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
HbA1c (Glycosylated Hb)	6.02^H	%	Normal: =< 5.6 High risk/prediabetes: 5.7-6.4 Diabetes: =>6.5	TINIA(turbidimetric inhibition immunoassay)

In the absence of unequivocal hyperglycemia, result should be confirmed by repeat testing. Diabetic patients with HbA1c less than 7% meets the therapeutic goals of the American Diabetes Association (ADA 2010). Please note Reference Range Reviewed w.ef 15/10/23 .

Sample Type : EDTA WB

Glucose (Fasting)	105.00^H	mg/dL	70 - 100	HK/G-6-PDH
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Please note Reference Range Reviewed w.ef 15/10/23

Sample Type : Fluoride Plasma

Cholesterol	159.00	mg/dL	Desirable: < 200 Borderline: 200 -239 High: >or =240	Enzymatic-Cholesterol esterase
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Please note Reference Range Reviewed w.ef 15/10/23

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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KIDNEY & LIVER FUNCTION TEST CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Aspartate Aminotransferase(AST / GOT)	19.90	U/L	10 - 50	NADH w/ P5P
Please note Reference Range Reviewed w.ef 15/10/23				
Alanine Aminotransferase (ALT / GPT)	18.80	U/L	10.0 - 50.0	NADH w/ P5P
Please note Reference Range Reviewed w.ef 15/10/23				
Alkaline Phosphatase	62.40	U/L	40-129	Colorimetric -P-NPT
Please note Reference Range Reviewed w.ef 15/10/23				
Gamma Glutamyl Transferase (GGT)	10.90	U/L	<60	Enzymatic-GG 3C4Nitro AN
Please note Reference Range Reviewed w.ef 15/10/23				
Bilirubin - Total	0.79	mg/dL	0.20-1.20	DIAZO
Please note Reference Range Reviewed w.ef 15/10/23				
Bilirubin - Direct	0.34	mg/dL	0.00-0.5	DIAZO
Please note Reference Range Reviewed w.ef 15/10/23				
*Bilirubin - Indirect	0.45	mg/dL	0.10 - 1.00	Calculation
Please note reference range reviewed w.ef 22/12/2023.				
Protein - Total	7.42	g/dL	6.40 - 8.30	Colorimetric - Biuret
Please note Reference Range Reviewed w.ef 15/10/23.				
Albumin	4.83	g/dL	3.97 - 4.94	Colorimetric - BCG
Please note Reference Range Reviewed w.ef 15/10/23				
*Globulin (serum)	2.59	g/dL	2.50 - 3.50	Calculation
Creatinine (serum)	0.96	mg/dL	0.70-1.20	Jaffe-Alkaline Picrate

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Test Name	Result	Units	Ref. Range	Method
Urea	22.40	mg/dL	12.86 - 42.64	Urease/GLDH
Please note Reference Range Reviewed w.ef 15/10/23				
Uric Acid	5.05	mg/dL	3.40-7.00	Uricase
Please note Reference Range Reviewed w.ef 15/10/23				
Calcium	9.71	mg/dL	8.6 - 10.3	NM-BAPTA
Please note Reference Range Reviewed w.ef 15/10/23				
Phosphorous	3.14	mg/dL	2.5-4.5	Molybdate UV
Please note Reference Range Reviewed w.ef 15/10/23				
Sodium	137.40	mmol/L	136 - 145	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
Potassium (serum)	5.00	mmol/L	3.5 - 5.5	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
Chloride (serum)	101.70	mmol/L	98 - 107	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				

Sample Type : Serum

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

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