

LABORATORY REPORT

Name : **AISHA UMER M UMER BIN NASSEM SIDDQUI** File. No. : **AAL02-1311317**
DOB/Gender : **06-07-1994 (30 Yrs 11 Month 5 Days/Female)** Referral Doctor : **Dr. Farhan Ilyas Malik**
Lab No. : **22251480002** Referral Clinic : **Citicare Medical Center LLC**
Request Date : **28-05-2025 09:00:47** Clinic File No : **46156**
Insurance : **NEXTCARE**

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	3.94	10 ¹² /L	3.80 - 4.80	Hydrodynamic focusing (DC Detection)
Haemoglobin	11.3^L	g/dl	12.0 - 15.0	Photometry-SLS
HCT	34.3^L	%	36.0 - 46.0	Hydrodynamic focusing (HF)
MCV	87.1	fl	83.0 - 101.0	Calculation
MCH	28.7	pg	27-32	Calculation
MCHC	32.9	g/dL	31.5 - 34.5	Calculation
Platelet Count	296	10 ³ /uL	150-400	HF (DCD)
WBC	8.37	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	51.1	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	39.5	%	20.0 - 40.0	Flow Cytometry
Monocytes	6.1	%	2-10	Flow Cytometry
Eosinophils	2.6	%	1 - 6	Flow Cytometry
Basophils	0.7	%	<1-2	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	4.27	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	3.31^H	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.51	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.22	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.06	10 ³ /uL	0.02 - 0.10	Calculation

Remarks:

Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

Sample Type : EDTA WB

These tests are accredited under ISO 15189:2022 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertain 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 : 27-05-2025 06:40:00
Authenticated On : 28-05-2025 14:31:29

Received On : 28-05-2025 09:03:00
Released On : 28-05-2025 14:45:53

Wasik

Wasik Hasan Tisekar
Laboratory Technician
DHA-P-0039673

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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
HbA1c (Glycosylated Hb)	5.07	%	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

Calcium	8.47^L	mg/dL	8.6 - 10.3	NM-BAPTA
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Please note Reference Range Reviewed w.ef 15/10/23

Sample Type : Serum

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HORMONES/ENDOCRINE/TUMOR MARKERS

Test Name	Result	Units	Ref. Range	Method
TSH (Thyroid Stimulating Hormone)	4.0000	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

Conversion Formula: (Concentration in IU/ mL) x (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 .

Sample Type : Serum

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HEPATIC FUNCTION PANEL WITH AG RATIO (LIVER FUNCTION TEST)
CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Bilirubin - Total	0.27	mg/dL	0.20-1.20	DIAZO
Please note Reference Range Reviewed w.ef 15/10/23				
Bilirubin - Direct	<0.19	mg/dL	0.00-0.5	DIAZO
Please note Reference Range Reviewed w.ef 15/10/23				
Alkaline Phosphatase	47.70	U/L	35-104	Colorimetric -P-NPT
Please note Reference Range Reviewed w.ef 15/10/23				
Alanine Aminotransferase (ALT / GPT)	18.10	U/L	10.0 - 35.0	NADH w/ P5P
Please note Reference Range Reviewed w.ef 15/10/23				
Aspartate Aminotransferase(AST / GOT)	18.80	U/L	10 - 35	NADH w/ P5P
Please note Reference Range Reviewed w.ef 15/10/23				
Protein - Total	6.68	g/dL	6.40 - 8.30	Colorimetric - Biuret
Please note Reference Range Reviewed w.ef 15/10/23.				
Albumin	4.23	g/dL	3.97 - 4.94	Colorimetric - BCG
Please note Reference Range Reviewed w.ef 15/10/23				
*Globulin (serum)	2.45 ^L	g/dL	2.50 - 3.50	Calculation
*Albumin/Globulin Ratio	1.73	Ratio	1.10 - 2.50	Calculation
Sample Type : Serum				

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**LIPID PROFILE I
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
Cholesterol	191.00	mg/dL	Desirable: < 200 Borderline: 200 - 239 High: >or =240	Enzymatic-Cholesterol esterase
Please note Reference Range Reviewed w.ef 15/10/23				
Triglycerides	119.00	mg/dL	NCEP Adult Treatment Panel Normal: <150 Borderline: 150 - 199 High: 200-499 Very High: >or =500	Enzymatic GPO
Please note Reference Range Reviewed w.ef 15/10/23				
HDL Cholesterol	58.50	mg/dL	Major Risk: < 40	Homogeneous enzymatic-CHER & CHOD
Please note Reference Range Reviewed w.ef 15/10/23				
LDL Cholesterol	116.00	mg/dL	Optimal: < 100 Near or above optimal: 100-129 Borderline High: 130 - 159 High: 160 - 189 Very High: >or=190	Homo. Enz, Liq. Selective Surfactant
Please note Reference Range Reviewed w.ef 15/10/23				
*VLDL	16.50	mg/dL	5.0 - 30.0	Calculation
*Cholesterol / HDL	3.27	Ratio	Desirable: < 4.5 Borderline: 4.5 - 6 Undesirable: >6	Calculation

Sample Type : Serum

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

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