

CONFIDENTIAL LABORATORY REPORT

Patient Name	: Mr. MOHSEN ALI	Request Date	: 12/05/2025 17:42
Age / Sex	: 39 Y / Male	Collected Date	: 12/05/2025 17:24
DOB	: 19/08/1985	Acceptance Date	: 12/05/2025 17:53
Referral Doctor	:	Report Date	: 12/05/2025 20:14
Referrer	: CITICARE MEDICAL CENTER L.L.C	Report Status	: Final Report
SID.No.	: FD022818	External Visit Id	: 40670
Patient No	: FCL022949		

INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
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HAEMATOLOGY

**CITICARE PREMIUM PACKAGE
COMPLETE BLOOD COUNT (CBC)**

EDTA Whole Blood

HEMOGLOBIN	13.7	g/dL	13.5 - 17.5	Colorimetric
RBC COUNT	4.56	10 ⁶ /uL	3.5 - 5.5	EI
HEMATOCRIT	41.5	%	37 - 54	Calculation
MCV	91	fL	80 - 100	Calculation
MCH	30.1	pg	27 - 34	Calculation
MCHC	33.1	g/dL	32 - 36	Calculation
RDW	12.7	%	11 - 16	Calculation
MPV	10.7	fL	8 - 12	Calculation
PLATELET COUNT	303	10 ³ /uL	140 - 450	EI
WBC COUNT	6.52	10 ³ /uL	4 - 10	EI

DIFFERENTIAL COUNT (DC)

EDTA Whole Blood

NEUTROPHILS	65	%	50 - 70	Flow Cytometry
LYMPHOCYTES	22.8	%	20 - 40	Flow Cytometry
EOSINOPHILS	1.5	%	0.5 - 5	Flow Cytometry
MONOCYTES	10.4	%	3 - 12	Flow Cytometry
BASOPHILS	0.3	%	0 - 1	Flow Cytometry
ABSOLUTE NEUTROPHIL COUNT	4.24	10 ³ cells/uL	2 - 7	
ABSOLUTE LYMPHOCYTE COUNT	1.49	10 ³ cells/uL	0.8 - 4	
ABSOLUTE MONOCYTE COUNT	0.68	10 ³ cells/uL	0.12 - 1.2	
ABSOLUTE EOSINOPHIL COUNT	0.09	10 ³ cells/uL	0.02 - 0.5	
ABSOLUTE BASOPHIL COUNT	0.02	10 ³ cells/uL	0 - 0.1	

Prepared By



Roshini

Medical Laboratory Technologist



Approved By



Dr Anjum Nawshehri

Laboratory Director

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CLINICAL BIOCHEMISTRY				
CITICARE PREMIUM PACKAGE				
GLUCOSE (FASTING) Fluoride Plasma	101	mg/dL	70 - 110	GOD - POD
GLYCATED HEMOGLOBIN (HbA1C) ^ EDTA Whole Blood				
HBA1C	5.4	%	Normal:4.6-5.6 Prediabetes: 5.7- 6.4 Diabetes: >6.5	HPLC
eAG (estimated Average Glucose)	108	%		Calculation
UREA	28.414	mg/dL	16.87 - 43.37	Urease-glutamate Dehydrogenase, UV method
Serum CREATININE	0.74	mg/dL	0.6 - 1.3	Sarcosine Oxidase
Serum URIC ACID	5.72	mg/dL	2.5 - 8	Uricase - POD
Serum SODIUM (NA)	136	mmol/L	136 - 145	ISE (Indirect)
Serum POTASSIUM (K)	4.1	mmol/L	3.5 - 5.1	ISE (Indirect)
Serum CHLORIDE (CL)	100	mmol/L	98 - 107	ISE (Indirect)
Serum CALCIUM	9.07	mg/dL	8.7 - 10.7	Arsenazo III
Serum IRON	37.7	ug/dL	45 - 158	Ferrozine
Serum CHOLESTEROL (TOTAL)	150	mg/dL	Desirable: < 200 Borderline High: 200 - 239 High: > 239	CHOD-POD
Serum				

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CLINICAL BIOCHEMISTRY

CITICARE PREMIUM PACKAGE

TRIGLYCERIDES	75	mg/dl	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: > 499	GPO-POD
Serum HDL CHOLESTEROL	49	mg/dL	Optimum>60 Borderline : 50-59 High risk : <50	Direct
Serum LDL CHOLESTEROL	99	mg/dl	Optimal: < 100 Near/Above Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: > 189	Direct
Serum VLDL CHOLESTEROL	15.00	mg/dL	0 - 30	Calculation
Serum BILIRUBIN (TOTAL)	0.29	mg/dL	Up to 1.2	DSA
Serum BILIRUBIN (DIRECT)	0.14	mg/dL	0.00 - 0.4	DSA
Serum INDIRECT BILIRUBIN	0.15	mg/dL	< or = 0.90	Calculation
Serum TOTAL PROTEIN	6.8	g/dL	6 - 8	Biuret
Serum ALBUMIN (SERUM)	4	g/dL	3.5 - 4.8	Bromcresol green (BCG)
Serum GLOBULIN	2.8	g/dL	2.0 - 3.5	Calculation
Serum ALBUMIN / GLOBULIN RATIO	1.43	NULL	0.8 - 2.0	Calculation
Serum ALT / SGPT	44.4	U/L	10 - 40	IFCC

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CLINICAL BIOCHEMISTRY

CITICARE PREMIUM PACKAGE

Serum

ALP (ALKALINE PHOSPHATASE)	56.4	U/L	30 - 115	IFCC
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Serum

GGT (GAMMA GLUTAMYL TRANSFERASE)	51.2	U/L	7 - 50	IFCC
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Serum

AST / SGOT	36.3	U/L	10 - 40	IFCC
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Serum

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ENDOCRINOLOGY				
CITICARE PREMIUM PACKAGE				
TRIIODOTHYRONINE, TOTAL (T3)	1.246	ng/mL	0.8 - 1.9	CLIA
Serum				
THYROXINE, TOTAL (T4)	9.578	ug/dL	5 - 13	CLIA
Serum				
THYROID STIMULATING HORMONE (TSH)	1.612	μIU/mL	0.35 - 4.75	CLIA
Serum				
PROLACTIN	208.694	uIU/mL	42.5 - 414	CLIA
Serum				
TESTOSTERONE (TOTAL)	3.780	ng/mL	2.32 - 8.58	CLIA
Serum				
VITAMIN B12	212.489	pg/mL	164 - 905	CLIA
Serum				
VITAMIN D, 25-OH (TOTAL)	14.249	ng/mL	Deficient : < 20 Insufficient: 20 - 30 Sufficient : 30 - 100 Upper Safety Limit:: > 100	CLIA
Serum				

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