

CONFIDENTIAL LABORATORY REPORT

Patient Name	: Mr. UMAR KAIROV	Request Date	: 25/06/2025 13:58
Age / Sex	: 33 Y / Male	Collected Date	: 25/06/2025 13:34
DOB	: 21/07/1991	Acceptance Date	: 25/06/2025 14:34
Referral Doctor	:	Report Date	: 25/06/2025 17:51
Referrer	: CITICARE MEDICAL CENTER L.L.C	Report Status	: Final Report
SID.No.	: FD027673	External Visit Id	: 47234
Patient No	: FCL027800		

INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
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HAEMATOLOGY

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

EDTA Whole Blood

HEMOGLOBIN	15	g/dL	13.5 - 17.5	Colorimetric
RBC COUNT	5.35	10 ⁶ /uL	3.5 - 5.5	EI
HEMATOCRIT	44.5	%	37 - 54	Calculation
MCV	83.1	fL	80 - 100	Calculation
MCH	28	pg	27 - 34	Calculation
MCHC	33.7	g/dL	32 - 36	Calculation
RDW	13.2	%	11 - 16	Calculation
MPV	10.2	fL	8 - 12	Calculation
PLATELET COUNT	260	10 ³ /uL	140 - 450	EI
WBC COUNT	5.95	10 ³ /uL	4 - 10	EI

DIFFERENTIAL COUNT (DC)

EDTA Whole Blood

NEUTROPHILS	59.8	%	50 - 70	Flow Cytometry
LYMPHOCYTES	25.7	%	20 - 40	Flow Cytometry
EOSINOPHILS	3.2	%	0.5 - 5	Flow Cytometry
MONOCYTES	10.9	%	3 - 12	Flow Cytometry
BASOPHILS	0.4	%	0 - 1	Flow Cytometry
ABSOLUTE NEUTROPHIL COUNT	3.56	10 ³ cells/uL	2 - 7	
ABSOLUTE LYMPHOCYTE COUNT	1.53	10 ³ cells/uL	0.8 - 4	
ABSOLUTE MONOCYTE COUNT	0.65	10 ³ cells/uL	0.12 - 1.2	
ABSOLUTE EOSINOPHIL COUNT	0.19	10 ³ cells/uL	0.02 - 0.5	
ABSOLUTE BASOPHIL COUNT	0.02	10 ³ cells/uL	0 - 0.1	

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INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
HAEMATOLOGY				
APTT (ACTIVATED PARTIAL THROMBOPLASTIN TIME)	24.7	seconds	21-38	Photo-Optical
Citrated Plasma				
PROTHROMBIN TIME (PT-INR)				
Citrated Plasma				
Prothrombin Time	11.9	sec	10 - 15.0	Photooptical clot detection
CONTROL (PT)	12.0	sec	9.6 - 15.8	Photooptical clot detection
International Normalized Ratio (INR)	0.991	Ratio	0.8 - 1.5	Index

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
GLUCOSE (FASTING)	95	mg/dL	70 - 110	GOD - POD
Fluoride Plasma				
GLYCATED HEMOGLOBIN (HbA1C) ^				
EDTA Whole Blood				
HBA1C	5.3	%	Normal:4.6-5.6 Prediabetes: 5.7- 6.4 Diabetes: >6.5	HPLC
eAG (estimated Average Glucose)	105	%		Calculation
BLOOD UREA NITROGEN (SERUM)				
Serum				
BUN	14.9	mg/dL	7 - 18	Calculation
UREA	31.9	mg/dL	16.87 - 43.37	Urease-glutamate Dehydrogenase, UV method
CREATININE	0.98	mg/dL	0.6 - 1.3	Sarcosine Oxidase
Serum				
BUN/CREATININE RATIO	15.10	NULL	Prerenal: > 20:1 Normal or Postrenal: 10-20:1 Intrarenal: < 10:1	Calculation
Serum				
URIC ACID	5.51	mg/dL	2.5 - 8	Uricase - POD
Serum				
IRON	108.5	ug/dL	45 - 158	Ferrozine
Serum				
CHOLESTEROL (TOTAL)	230.9	mg/dL	Desirable: < 200 Borderline High: 200 - 239 High: > 239	CHOD-POD
Serum				
NON-HDL CHOLESTEROL	181.3	mg/dL	< 140	Calculation
Serum				

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
TRIGLYCERIDES	95.1	mg/dl	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: > 499	GPO-POD
Serum HDL CHOLESTEROL	49.6	mg/dL	Optimum>60 Borderline : 50-59 High risk : <50	Direct
Serum LDL CHOLESTEROL	150.4	mg/dl	Optimal: < 100 Near/Above Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: > 189	Direct
Serum VLDL CHOLESTEROL	19.02	mg/dL	0 - 30	Calculation
Serum LDL / HDL RATIO	3.0	--	< 3.5	Calculation
Serum				

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Report Date : 25/06/2025 21:44
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INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
IMMUNOLOGY				
INSULIN (FASTING)	17.46	μIU/mL	2.2 - 25	CLIA
Serum				

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CLINICAL BIOCHEMISTRY

CITICARE PULSEFIT PACKAGE

TOTAL CHOLESTEROL / HDL RATIO	4.7	--	< 4.5	Calculation
Serum				

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
BILIRUBIN (TOTAL)	0.42	mg/dL	Up to 1.2	DSA
Serum				
BILIRUBIN (DIRECT)	0.14	mg/dL	0.00 - 0.4	DSA
Serum				
INDIRECT BILIRUBIN	0.28	mg/dL	< or = 0.90	Calculation
Serum				
TOTAL PROTEIN	7.3	g/dL	6 - 8	Biuret
Serum				
ALBUMIN (SERUM)	4.6	g/dL	3.5 - 4.8	Bromcresol green (BCG)
Serum				
GLOBULIN	2.7	g/dL	2.0 - 3.5	Calculation
Serum				
ALBUMIN / GLOBULIN RATIO	1.70	NULL	0.8 - 2.0	Calculation
Serum				
ALT / SGPT	30.3	U/L	10 - 40	IFCC
Serum				
ALP (ALKALINE PHOSPHATASE)	68.9	U/L	30 - 115	IFCC
Serum				
GGT (GAMMA GLUTAMYL TRANSFERASE)	28.8	U/L	7 - 50	IFCC
Serum				
AST / SGOT	20.9	U/L	10 - 40	IFCC
Serum				

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ENDOCRINOLOGY				
CITICARE PULSEFIT PACKAGE				
DEHYDROEPIANDROSTERONE SULFATE (DHEAS)	877.25	ug/dL	106 - 464	CLIA
Serum				
TRIIODOTHYRONINE, TOTAL (T3)	1.08	ng/mL	0.8 - 1.9	CLIA
Serum				
THYROXINE, TOTAL (T4)	6	ug/dL	5 - 13	CLIA
Serum				
THYROID STIMULATING HORMONE (TSH)	1.859	μIU/mL	0.35 - 4.75	CLIA
Serum				
FOLLICLE STIMULATING HORMONE (FSH)	2.603	mIU/mL	1.0 - 12.10	CLIA
Serum				
LUTEINISING HORMONE (LH)	7.02	mIU/mL	1 - 12.5	CLIA
Serum				
PROLACTIN	354.21	uIU/mL	42.5 - 414	CLIA
Serum				
TESTOSTERONE (TOTAL)	3.78	ng/mL	2.32 - 8.58	CLIA
Serum				
TESTOSTERONE (FREE)	0.108	ng/mL	0.07-0.3	Calculation
Serum				
SHBG (SEX HORMONE BINDING GLOBULIN)	13.91	nmol/L		CLIA
Serum				
VITAMIN B12	582.698	pg/mL	164 - 905	CLIA
Serum				
VITAMIN D, 25-OH (TOTAL)	32	ng/mL	Deficient : < 20 Insufficient: 20 - 30 Sufficient : 30 - 100 Upper Safety Limit:: > 100	CLIA
Serum				

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ENDOCRINOLOGY

CITICARE PULSEFIT PACKAGE

BETA HCG	0.006	mIU/mL	< 0.5 - 2.2	CLIA
Serum				

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ENDOCRINOLOGY

CITICARE PULSEFIT PACKAGE

ESTRADIOL (E2)	33.2	pg/mL	< 75.0	CLIA
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Serum

PROGESTERONE	0.386	ng/mL	Adult Male: 0.28 - 1.22	CLIA
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Serum

Interpretation Notes : A progesterone test may be used:To help recognize and manage some causes of infertility. Since progesterone levels vary throughout the menstrual cycle, multiple (serial) measurements can be used for this purpose.To determine whether or not a woman has ovulated, when ovulation occurred, or to monitor the success of induced ovulationIn early pregnancy to help diagnose an ectopic or failing pregnancy, along with human chorionic gonadotropin (hCG) testing To monitor a high-risk pregnancy to help evaluate placenta and fetal healthIf a woman is receiving progesterone injections to help support her early pregnancy, to help determine the effectiveness of the replacement treatmentAlong with other tests such as an FSH, LH, hCG, thyroid tests, clotting tests, and a complete blood count (CBC) to help determine the cause of abnormal uterine bleeding in non-pregnant women

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