

CONFIDENTIAL LABORATORY REPORT

Patient Name : **Mr. JORDAN JOHN ROBERT GALLAGHER**
Age / Sex : 32 Y / Male
DOB : **30/12/1992**
Referral Doctor :
Referrer : CITICARE MEDICAL CENTER L.L.C
SID.No. : **FD027777**
Patient No : **FCL027903**

Request Date : 26/06/2025 14:46
Collected Date : 26/06/2025 14:43
Acceptance Date : 26/06/2025 14:47
Report Date : 26/06/2025 15:24
Report Status : **Final Report**
External Visit Id :

INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
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HAEMATOLOGY

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

EDTA Whole Blood

HEMOGLOBIN	16.8	g/dL	13.5 - 17.5	Colorimetric
RBC COUNT	5.43	10 ⁶ /uL	3.5 - 5.5	EI
HEMATOCRIT	48.9	%	37 - 54	Calculation
MCV	90	fL	80 - 100	Calculation
MCH	31	pg	27 - 34	Calculation
MCHC	34.4	g/dL	32 - 36	Calculation
RDW	13.6	%	11 - 16	Calculation
MPV	9.4	fL	8 - 12	Calculation
PLATELET COUNT	281	10 ³ /uL	140 - 450	EI
WBC COUNT	7.48	10 ³ /uL	4 - 10	EI

DIFFERENTIAL COUNT (DC)

EDTA Whole Blood

NEUTROPHILS	59.2	%	50 - 70	Flow Cytometry
LYMPHOCYTES	28.1	%	20 - 40	Flow Cytometry
EOSINOPHILS	3.1	%	0.5 - 5	Flow Cytometry
MONOCYTES	9.4	%	3 - 12	Flow Cytometry
BASOPHILS	0.2	%	0 - 1	Flow Cytometry
ABSOLUTE NEUTROPHIL COUNT	4.43	10 ³ cells/uL	2 - 7	
ABSOLUTE LYMPHOCYTE COUNT	2.11	10 ³ cells/uL	0.8 - 4	
ABSOLUTE MONOCYTE COUNT	0.7	10 ³ cells/uL	0.12 - 1.2	
ABSOLUTE EOSINOPHIL COUNT	0.22	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

DHA-00208333-004

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INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
GLUCOSE (FASTING) Fluoride Plasma	110	mg/dL	70 - 110	GOD - POD
GLYCATED HEMOGLOBIN (HbA1C) ^ EDTA Whole Blood				
HBA1C	4.7	%	Normal:4.6-5.6 Prediabetes: 5.7- 6.4 Diabetes: >6.5	HPLC
eAG (estimated Average Glucose)	88	%		Calculation
BLOOD UREA NITROGEN (SERUM)				
Serum				
UREA	30.2	mg/dL	16.87 - 43.37	Urease-glutamate Dehydrogenase, UV method
BUN	14.1	mg/dL	7 - 18	Calculation
CREATININE	0.84	mg/dL	0.6 - 1.3	Sarcosine Oxidase
Serum				
BUN/CREATININE RATIO	16.79	NULL	Prerenal: > 20:1 Normal or Postrenal: 10-20:1 Intrarenal: < 10:1	Calculation
Serum				
URIC ACID	6.61	mg/dL	2.5 - 8	Uricase - POD
Serum				
IRON	102.7	ug/dL	45 - 158	Ferrozine
Serum				
CHOLESTEROL (TOTAL)	202.5	mg/dL	Desirable: < 200 Borderline High: 200 - 239 High: > 239	CHOD-POD
Serum				
NON-HDL CHOLESTEROL	164.7	mg/dL	< 140	Calculation
Serum				

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
TRIGLYCERIDES	228	mg/dl	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: > 499	GPO-POD
Serum HDL CHOLESTEROL	37.8	mg/dL	Optimum>60 Borderline : 50-59 High risk : <50	Direct
Serum LDL CHOLESTEROL	133.6	mg/dl	Optimal: < 100 Near/Above Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: > 189	Direct
Serum VLDL CHOLESTEROL	45.60	mg/dL	0 - 30	Calculation
Serum LDL / HDL RATIO	3.5	--	< 3.5	Calculation
Serum				

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
TOTAL CHOLESTEROL / HDL RATIO	5.4	--	< 4.5	Calculation
Serum				

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
BILIRUBIN (TOTAL)	0.6	mg/dL	Up to 1.2	DSA
Serum				
BILIRUBIN (DIRECT)	0.18	mg/dL	0.00 - 0.4	DSA
Serum				
INDIRECT BILIRUBIN	0.42	mg/dL	< or = 0.90	Calculation
Serum				
TOTAL PROTEIN	7.5	g/dL	6 - 8	Biuret
Serum				
ALBUMIN (SERUM)	4.6	g/dL	3.5 - 4.8	Bromcresol green (BCG)
Serum				
GLOBULIN	2.9	g/dL	2.0 - 3.5	Calculation
Serum				
ALBUMIN / GLOBULIN RATIO	1.59	NULL	0.8 - 2.0	Calculation
Serum				
ALT / SGPT	34	U/L	10 - 40	IFCC
Serum				
ALP (ALKALINE PHOSPHATASE)	47.2	U/L	30 - 115	IFCC
Serum				
GGT (GAMMA GLUTAMYL TRANSFERASE)	46.6	U/L	7 - 50	IFCC
Serum				
AST / SGOT	25.1	U/L	10 - 40	IFCC
Serum				

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ENDOCRINOLOGY

CITICARE PULSEFIT PACKAGE

DEHYDROEPIANDROSTERONE SULFATE (DHEAS)	517	ug/dL	106 - 464	CLIA
Serum				
TRIIODOTHYRONINE, TOTAL (T3)	1.26	ng/mL	0.8 - 1.9	CLIA
Serum				
THYROXINE, TOTAL (T4)	8.7	ug/dL	5 - 13	CLIA
Serum				
THYROID STIMULATING HORMONE (TSH)	1.088	μIU/mL	0.35 - 4.75	CLIA
Serum				
FOLLICLE STIMULATING HORMONE (FSH)	13.547	mIU/mL	1.0 - 12.10	CLIA
Serum				
LUTEINISING HORMONE (LH)	8.579	mIU/mL	1 - 12.5	CLIA
Serum				
PROLACTIN	251.316	uIU/mL	42.5 - 414	CLIA
Serum				
TESTOSTERONE (TOTAL)	4.96	ng/mL	2.32 - 8.58	CLIA
Serum				
TESTOSTERONE (FREE)	0.08	ng/mL	0.07-0.3	Calculation
Serum				
SHBG (SEX HORMONE BINDING GLOBULIN)	33.4	nmol/L	Males (17 - 65 years old) : 13.77 - 48.94 nmol/L Females(17 - 65 years old) : 24.0 - 110.07 nmol /L	CLIA
Serum				
VITAMIN B12	291.2	pg/mL	164 - 905	CLIA
Serum				
VITAMIN D, 25-OH (TOTAL)	77	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	0.001	mIU/mL	< 0.5 - 2.2	CLIA
Serum				

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ENDOCRINOLOGY

CITICARE PULSEFIT PACKAGE

ESTRADIOL (E2) 38.4 pg/mL < 75.0 CLIA

Serum

PROGESTERONE 0.46 ng/mL Adult Male: 0.28 - 1.22 CLIA

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

Prepared By

Shahab Faisal
Microbiology Technologist



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