

CONFIDENTIAL LABORATORY REPORT

Patient Name	: Ms. JANELLE	Request Date	: 20/05/2025 21:27
Age / Sex	: 46 Y 11 M / Female	Collected Date	: 20/05/2025 21:23
DOB	: 22/05/1978	Acceptance Date	: 20/05/2025 22:24
Referral Doctor	: Dr. Farhan	Report Date	: 21/05/2025 06:02
Referrer	: CITICARE MEDICAL CENTER L.L.C	Report Status	: Final Report
SID.No.	: FD023781	External Visit Id	:
Patient No	: FCL023916		

INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
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HAEMATOLOGY

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

EDTA Whole Blood

HEMOGLOBIN	12.3	g/dL	12 - 15.5	Colorimetric
RBC COUNT	3.94	10 ⁶ /uL	3.5 - 5.5	EI
HEMATOCRIT	37.2	%	37 - 54	Calculation
MCV	94.5	fL	80 - 100	Calculation
MCH	31.2	pg	27 - 34	Calculation
MCHC	33	g/dL	32 - 36	Calculation
RDW	12.1	%	11 - 16	Calculation
MPV	9	fL	8 - 12	Calculation
PLATELET COUNT	283	10 ³ /uL	140 - 450	EI
WBC COUNT	6.03	10 ³ /uL	4 - 10	EI

DIFFERENTIAL COUNT (DC)

EDTA Whole Blood

NEUTROPHILS	65.5	%	50 - 70	Flow Cytometry
LYMPHOCYTES	24.3	%	20 - 40	Flow Cytometry
EOSINOPHILS	3	%	0.5 - 5	Flow Cytometry
MONOCYTES	6.8	%	3 - 12	Flow Cytometry
BASOPHILS	0.4	%	0 - 1	Flow Cytometry
ABSOLUTE NEUTROPHIL COUNT	3.95	10 ³ cells/uL	2 - 7	
ABSOLUTE LYMPHOCYTE COUNT	1.47	10 ³ cells/uL	0.8 - 4	
ABSOLUTE MONOCYTE COUNT	0.41	10 ³ cells/uL	0.12 - 1.2	
ABSOLUTE EOSINOPHIL COUNT	0.18	10 ³ cells/uL	0.02 - 0.5	
ABSOLUTE BASOPHIL COUNT	0.02	10 ³ cells/uL	0 - 0.1	

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General Lab Technologist
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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
GLUCOSE (RANDOM)	89	mg/dL	< 200	GOD - POD
Fluoride Plasma				
GLYCATED HEMOGLOBIN (HbA1C) ^				
EDTA Whole Blood				
HBA1C	5.7	%	Normal:4.6-5.6 Prediabetes: 5.7- 6.4 Diabetes: >6.5	HPLC
eAG (estimated Average Glucose)	117	%		Calculation
BLOOD UREA NITROGEN (SERUM)				
Serum				
UREA	32.3	mg/dL	16.87 - 43.37	Urease-glutamate Dehydrogenase, UV method
BUN	15.0	mg/dL	7 - 18	Calculation
CREATININE	1.44	mg/dL	0.5 - 1.1	Sarcosine Oxidase
Serum				
BUN/CREATININE RATIO	11.0	NULL	Prerenal: > 20:1 Normal or Postrenal: 10-20:1 Intrarenal: < 10:1	Calculation
Serum				
URIC ACID	5.19	mg/dL	1.9 - 7.5	Uricase - POD
Serum				
IRON	80.8	ug/dL	37 - 145	Ferrozine
Serum				
CHOLESTEROL (TOTAL)	175.3	mg/dL	Desirable: < 200 Borderline High: 200 - 239 High: > 239	CHOD-POD
Serum				
NON-HDL CHOLESTEROL	103.2	mg/dL	< 140	Calculation
Serum				

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
TRIGLYCERIDES	107.4	mg/dl	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: > 499	GPO-POD
Serum HDL CHOLESTEROL	72.1	mg/dL	Optimum>60 Borderline : 50-59 High risk : <50	Direct
Serum LDL CHOLESTEROL	106.2	mg/dl	Optimal: < 100 Near/Above Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: > 189	Direct
Serum VLDL CHOLESTEROL	21.48	mg/dL	0 - 30	Calculation
Serum LDL / HDL RATIO	1.5	--	< 3.5	Calculation
Serum				

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
TOTAL CHOLESTEROL / HDL RATIO	2.4	--	< 4.5	Calculation
Serum				

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
BILIRUBIN (TOTAL)	0.38	mg/dL	Up to 1.2	DSA
Serum				
BILIRUBIN (DIRECT)	0.13	mg/dL	0.00 - 0.4	DSA
Serum				
INDIRECT BILIRUBIN	0.25	mg/dL	< or = 0.90	Calculation
Serum				
TOTAL PROTEIN	7.1	g/dL	6 - 8	Biuret
Serum				
ALBUMIN (SERUM)	4.2	g/dL	3.5 - 4.8	Bromcresol green (BCG)
Serum				
GLOBULIN	2.9	g/dL	2.0 - 3.5	Calculation
Serum				
ALBUMIN / GLOBULIN RATIO	1.45	NULL	0.8 - 2.0	Calculation
Serum				
ALT / SGPT	21	U/L	10 - 40	IFCC
Serum				
ALP (ALKALINE PHOSPHATASE)	45.1	U/L	30 - 115	IFCC
Serum				
GGT (GAMMA GLUTAMYL TRANSFERASE)	15.2	U/L	7 - 50	IFCC
Serum				
AST / SGOT	19.5	U/L	10 - 40	IFCC
Serum				

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ENDOCRINOLOGY				
CITICARE PULSEFIT PACKAGE				
DEHYDROEPIANDROSTERONE SULFATE (DHEAS)	100.581	ug/dL	19 - 231	CLIA
Serum				
TRIIODOTHYRONINE, TOTAL (T3)	1.0	ng/mL	0.8 - 1.9	CLIA
Serum				
THYROXINE, TOTAL (T4)	6.0	ug/dL	5 - 13	CLIA
Serum				
THYROID STIMULATING HORMONE (TSH)	1.639	μIU/mL	0.35 - 4.75	CLIA
Serum				
FOLLICLE STIMULATING HORMONE (FSH)	11.841	mIU/mL	Follicular phase: 2.50 - 11.40 Midcycle Peak: 3.3 - 21.7 Luteal Phase: 1.2 - 7.0 Postmenopausal: 18.8 - 132.0	CLIA
Serum				
LUTEINISING HORMONE (LH)	18.818	mIU/mL	Follicular phase: 1.2 - 12.7 Midcycle Peak: 15.2 - 90.0 Luteal Phase: 0.5 - 14.6 Postmenopausal: 15.6 - 72.0	CLIA
Serum				
PROLACTIN	197.13	uIU/mL	51 - 580	CLIA
Serum				
TESTOSTERONE (TOTAL)	0.15	ng/mL	0.1 - 0.9	CLIA
Serum				
TESTOSTERONE (FREE)	0.0018	ng/mL	0.0002 - 0.0085	Calculation
Serum				
SHBG (SEX HORMONE BINDING GLOBULIN)	60.19	nmol/L	18.2 - 135.5	CLIA
Serum				
VITAMIN B12	775.768	pg/mL	164 - 905	CLIA
Serum				
VITAMIN D, 25-OH (TOTAL)	24	ng/mL	Deficient : < 20 Insufficient: 20 - 30	CLIA

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ENDOCRINOLOGY

CITICARE PULSEFIT PACKAGE

Sufficient : 30 - 100
Upper Safety Limit:: > 100

Serum

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ENDOCRINOLOGY

CITICARE PULSEFIT PACKAGE

BETA HCG	0.008	mIU/mL	Non-Pregnant Females: <2.9 Week after LMP 1-10 weeks 195 – 229796 11-15 weeks 22305 – 233036 16-22 weeks 7902 – 49645 23-40 weeks 1580 – 48608	CLIA
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Serum

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ENDOCRINOLOGY

CITICARE PULSEFIT PACKAGE

ESTRADIOL (E2)	131.8	pg/mL	Follicular Phase: 30 - 150 Mid Cycle Peak: 60 - 480 Luteal Phase: 45 - 250 Post Menopausal: < 60.0	CLIA
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Serum PROGESTERONE	11.60	ng/mL	Follicular Phase : 0.00 - 1.40 Luteal Phase: 3.34 - 25.56 Mid luteal phase: 4.44 - 28.03 Post Menopausal: 0.00 - 0.73 First trimester: 11.22 - 90.0 Second trimester: 25.55 - 89.40 Third trimester: 48.40- 422.50	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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