

CONFIDENTIAL LABORATORY REPORT

Patient Name	: Ms. OLENA	Request Date	: 25/04/2025 15:04
Age / Sex	: 25 Y / Female	Collected Date	: 25/04/2025 15:03
DOB	: 13/01/2000	Acceptance Date	: 25/04/2025 15:17
Referral Doctor	:	Report Date	: 25/04/2025 16:26
Referrer	: CITICARE MEDICAL CENTER L.L.C	Report Status	: Final Report
SID.No.	: FD020699	External Visit Id	: 45025
Patient No	: FCL020805		

INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
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HAEMATOLOGY

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

EDTA Whole Blood

HEMOGLOBIN	14.1	g/dL	12 - 15.5	Colorimetric
RBC COUNT	4.79	10 ⁶ /uL	3.5 - 5.5	EI
HEMATOCRIT	42.7	%	37 - 54	Calculation
MCV	89.1	fL	80 - 100	Calculation
MCH	29.5	pg	27 - 34	Calculation
MCHC	33.1	g/dL	32 - 36	Calculation
RDW	13.2	%	11 - 16	Calculation
MPV	9.9	fL	8 - 12	Calculation
PLATELET COUNT	281	10 ³ /uL	140 - 450	EI
WBC COUNT	7.98	10 ³ /uL	4 - 10	EI

DIFFERENTIAL COUNT (DC)

EDTA Whole Blood

NEUTROPHILS	69.5	%	50 - 70	Flow Cytometry
LYMPHOCYTES	22.8	%	20 - 40	Flow Cytometry
EOSINOPHILS	0.6	%	0.5 - 5	Flow Cytometry
MONOCYTES	6.8	%	3 - 12	Flow Cytometry
BASOPHILS	0.3	%	0 - 1	Flow Cytometry
ABSOLUTE NEUTROPHIL COUNT	5.55	10 ³ cells/uL	2 - 7	
ABSOLUTE LYMPHOCYTE COUNT	1.82	10 ³ cells/uL	0.8 - 4	
ABSOLUTE MONOCYTE COUNT	0.54	10 ³ cells/uL	0.12 - 1.2	
ABSOLUTE EOSINOPHIL COUNT	0.05	10 ³ cells/uL	0.02 - 0.5	
ABSOLUTE BASOPHIL COUNT	0.02	10 ³ cells/uL	0 - 0.1	

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Gopika

Medical Laboratory Technologist
26832642



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Laboratory Director
DHA-00208333-004

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INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
GLUCOSE (FASTING)	91	mg/dL	70 - 110	GOD - POD
Fluoride Plasma				
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
BLOOD UREA NITROGEN (SERUM)				
Serum				
UREA	18.6	mg/dL	16.87 - 43.37	Urease-glutamate Dehydrogenase, UV method
BUN	8.7	mg/dL	7 - 18	Calculation
CREATININE	0.99	mg/dL	0.5 - 1.1	Sarcosine Oxidase
Serum				
BUN/CREATININE RATIO	9.0	NULL	Prerenal: > 20:1 Normal or Postrenal: 10-20:1 Intrarenal: < 10:1	Calculation
Serum				
URIC ACID	5.25	mg/dL	1.9 - 7.5	Uricase - POD
Serum				
IRON	136.2	ug/dL	37 - 145	Ferrozine
Serum				
CHOLESTEROL (TOTAL)	216.1	mg/dL	Desirable: < 200 Borderline High: 200 - 239 High: > 239	CHOD-POD
Serum				
NON-HDL CHOLESTEROL	127	mg/dL	< 140	Calculation
Serum				

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
TRIGLYCERIDES	37.2	mg/dl	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: > 499	GPO-POD
Serum HDL CHOLESTEROL	89.4	mg/dL	Optimum>60 Borderline : 50-59 High risk : <50	Direct
Serum LDL CHOLESTEROL	123.6	mg/dl	Optimal: < 100 Near/Above Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: > 189	Direct
Serum VLDL CHOLESTEROL	7.44	mg/dL	0 - 30	Calculation
Serum LDL / HDL RATIO	1.4	--	< 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)	1.66	mg/dL	Up to 1.2	DSA
Serum				
BILIRUBIN (DIRECT)	0.3	mg/dL	0.00 - 0.4	DSA
Serum				
INDIRECT BILIRUBIN	1.36	mg/dL	< or = 0.90	Calculation
Serum				
TOTAL PROTEIN	8.0	g/dL	6 - 8	Biuret
Serum				
ALBUMIN (SERUM)	4.4	g/dL	3.5 - 4.8	Bromcresol green (BCG)
Serum				
GLOBULIN	3.6	g/dL	2.0 - 3.5	Calculation
Serum				
ALBUMIN / GLOBULIN RATIO	1.22	NULL	0.8 - 2.0	Calculation
Serum				
ALT / SGPT	10.8	U/L	10 - 40	IFCC
Serum				
ALP (ALKALINE PHOSPHATASE)	64.4	U/L	30 - 115	IFCC
Serum				
GGT (GAMMA GLUTAMYL TRANSFERASE)	20.1	U/L	7 - 50	IFCC
Serum				
AST / SGOT	20.7	U/L	10 - 40	IFCC
Serum				

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ENDOCRINOLOGY				
CITICARE PULSEFIT PACKAGE				
TRIIODOTHYRONINE, TOTAL (T3)	1.19	ng/mL	0.8 - 1.9	CLIA
Serum				
THYROXINE, TOTAL (T4)	7.3	ug/dL	5 - 13	CLIA
Serum				
THYROID STIMULATING HORMONE (TSH)	0.884	μIU/mL	0.35 - 4.75	CLIA
Serum				
FOLLICLE STIMULATING HORMONE (FSH)	7.011	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)	6.917	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	227.771	uIU/mL	51 - 580	CLIA
Serum				
TESTOSTERONE (TOTAL)	0.25	ng/mL	0.1 - 0.9	CLIA
Serum				
TESTOSTERONE (FREE)	0.00357	ng/mL	0.0005 - 0.002	Calculation
Serum				
SHBG (SEX HORMONE BINDING GLOBULIN)	67.26	nmol/L	18.2 - 135.5	CLIA
Serum				
VITAMIN B12	478.369	pg/mL	164 - 905	CLIA
Serum				
VITAMIN D, 25-OH (TOTAL)	50	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	2.0	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)	67.7	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	0.089	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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