

CONFIDENTIAL LABORATORY REPORT

Patient Name : **Ms. ANNA CHAGEEVA**
Age / Sex : 35 Y / Female
DOB : **11/07/1990**
Referral Doctor:
Referrer : CITICARE MEDICAL CENTER L.L.C
SID.No. : **FD035792**

Request Date : 22/08/2025 16:12
Collected Date : 22/08/2025 16:09
Acceptance Date : 22/08/2025 16:19
Report Date : 22/08/2025 19:24
Report Status : **Final Report**
External Visit Id : **46362**



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Patient No : **FCL035947**

INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
HAEMATOLOGY				
CITICARE PULSEFIT PACKAGE				
COMPLETE BLOOD COUNT (CBC)				
EDTA Whole Blood				
HEMOGLOBIN	12.3	g/dL	12 - 15.5	Colorimetric
RBC COUNT	4.39	10 ⁶ /uL	3.5 - 5.5	EI
HEMATOCRIT	37.3	%	37 - 54	Calculation
MCV	85.1	fL	80 - 100	Calculation
MCH	28.1	pg	27 - 34	Calculation
MCHC	33	g/dL	32 - 36	Calculation
RDW	14.1	%	11 - 16	Calculation
MPV	10.9	fL	8 - 12	Calculation
PLATELET COUNT	211	10 ³ /uL	140 - 450	EI
WBC COUNT	6.65	10 ³ /uL	4 - 10	EI
DIFFERENTIAL COUNT (DC)				
EDTA Whole Blood				
NEUTROPHILS	42.8	%	50 - 70	Flow Cytometry
LYMPHOCYTES	40.8	%	20 - 40	Flow Cytometry
EOSINOPHILS	4.1	%	0.5 - 5	Flow Cytometry
MONOCYTES	12	%	3 - 12	Flow Cytometry
BASOPHILS	0.3	%	0 - 1	Flow Cytometry
ABSOLUTE NEUTROPHIL COUNT	2.85	10 ³ cells/uL	2 - 7	
ABSOLUTE LYMPHOCYTE COUNT	2.72	10 ³ cells/uL	0.8 - 4	
ABSOLUTE MONOCYTE COUNT	0.79	10 ³ cells/uL	0.12 - 1.2	
ABSOLUTE EOSINOPHIL COUNT	0.27	10 ³ cells/uL	0.02 - 0.5	
ABSOLUTE BASOPHIL COUNT	0.02	10 ³ cells/uL	0 - 0.1	

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DHA-00208333-004

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
GLUCOSE (FASTING)	82	mg/dL	70 - 110	GOD - POD
Fluoride Plasma				
GLYCATED HEMOGLOBIN (HbA1C) ^				
EDTA Whole Blood				
HBA1C	5.2	%	Normal:4.6-5.6 Prediabetes: 5.7- 6.4 Diabetes: >6.5	HPLC
eAG (estimated Average Glucose)	103	%		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	0.75	mg/dL	0.5 - 1.1	Sarcosine Oxidase
Serum				
BUN/CREATININE RATIO	11	NULL	Prerenal: > 20:1 Normal or Postrenal: 10-20:1 Intrarenal: < 10:1	Calculation
Serum				
URIC ACID	4.48	mg/dL	1.9 - 7.5	Uricase - POD
Serum				
IRON	59.8	ug/dL	43.6 - 180	Ferrozine
Serum				
CHOLESTEROL (TOTAL)	165.7	mg/dL	Desirable: < 200 Borderline High: 200 - 239 High: > 239	CHOD-POD
Serum				
NON-HDL CHOLESTEROL	114.9	mg/dL	< 140	Calculation
Serum				

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
TRIGLYCERIDES	61.8	mg/dl	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: > 499	GPO-POD
Serum HDL CHOLESTEROL	50.8	mg/dL	Optimum>60 Borderline : 50-59 High risk : <50	Direct
Serum LDL CHOLESTEROL	95.8	mg/dl	Optimal: < 100 Near/Above Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: > 189	Direct
Serum VLDL CHOLESTEROL	12.36	mg/dL	0 - 30	Calculation
Serum LDL / HDL RATIO	1.9	--	< 3.5	Calculation

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
TOTAL CHOLESTEROL / HDL RATIO	3.3	--	< 4.5	Calculation
Serum				

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CLINICAL BIOCHEMISTRY				
CITICARE PULSEFIT PACKAGE				
BILIRUBIN (TOTAL)	0.46	mg/dL	Up to 1.2	DSA
Serum				
BILIRUBIN (DIRECT)	0.13	mg/dL	0.00 - 0.4	DSA
Serum				
INDIRECT BILIRUBIN	0.33	mg/dL	< or = 0.90	Calculation
Serum				
TOTAL PROTEIN	6.5	g/dL	6 - 8	Biuret
Serum				
ALBUMIN (SERUM)	4.3	g/dL	4 - 5.5	Bromcresol green (BCG)
Serum				
GLOBULIN	2.2	g/dL	2.0 - 3.5	Calculation
Serum				
ALBUMIN / GLOBULIN RATIO	1.95	NULL	0.8 - 2.0	Calculation
Serum				
ALT / SGPT	11	U/L	7 - 40	IFCC
Serum				
ALP (ALKALINE PHOSPHATASE)	36.8	U/L	35 - 100	IFCC
Serum				
GGT (GAMMA GLUTAMYL TRANSFERASE)	11.6	U/L	7 - 45	Kinetic Enzymatic Method (Szasz method)
Serum				
AST / SGOT	16.5	U/L	13 - 35	IFCC
Serum				

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INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
ENDOCRINOLOGY				
CITICARE PULSEFIT PACKAGE				
DEHYDROEPIANDROSTERONE SULFATE (DHEAS)	239	ug/dL	23 - 266	CLIA
Serum				
TRIIODOTHYRONINE, TOTAL (T3)	1.04	ng/mL	0.8 - 1.9	CLIA
Serum				
THYROXINE, TOTAL (T4)	7.9	ug/dL	5 - 13	CLIA
Serum				
THYROID STIMULATING HORMONE (TSH)	2.918	μIU/mL	0.35 - 4.75	CLIA
Serum				
FOLLICLE STIMULATING HORMONE (FSH)	8.38	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)	12.0	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	699.26	uIU/mL	51 - 580	CLIA
Serum				
TESTOSTERONE (TOTAL)	0.36	ng/mL	0.1 - 0.9	CLIA
Serum				
TESTOSTERONE (FREE)	1.23	ng/mL	0.4 - 7.1	Calculation
Serum				
SHBG (SEX HORMONE BINDING GLOBULIN)	58.25	nmol/L	Males (17 - 65 Years old) : 13 .77 - 48.94 Females (17 - 65 Years old) : 24.0 - 110.07 Postmenopausal Females : 13.25 to 74.11	CLIA
Serum				
VITAMIN B12	503.115	pg/mL	164 - 905	CLIA

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ENDOCRINOLOGY

CITICARE PULSEFIT PACKAGE

Serum

VITAMIN D, 25-OH (TOTAL)

30

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

0.002

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

Serum

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INVESTIGATION / SPECIMEN	RESULT	UNIT	REFERENCE RANGE	METHOD
ENDOCRINOLOGY				
CITICARE PULSEFIT PACKAGE				
CORTISOL	20	µg/dL	Morning hours : 6 10 AM : 4.82 19.5 Afternoon hours : 4 8 PM : 2.47 11.9	ECLIA
Serum				
Comments : Cortisol AM				
ESTRADIOL (E2)	60.9	pg/mL	Follicular Phase: 30 - 150 Mid Cycle Peak: 60 - 480 Luteal Phase: 45 - 250 Post Menopausal: < 60.0	CLIA
Serum				
PROGESTERONE	1.02	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
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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