

Practice Information	Patient Information	Specimen Information
Facility : DIRECT Address : - Provider :	Patient Name : DOB : Age : Gender : Patient ID :	Accession No. : Specimen Type : Serum Date Collected : Sep 04,2024 01:48 PM Date Resulted : Sep 06,2024 01:47 PM Date Reported : Sep 16,2024 12:56 PM

Complete Blood Count				
Tests	Results	Flag	Ref Ranges	Unit
RBC Count	4.91	NORMAL	3.87 - 5.68	*10 ³ /uL
Total WBC Count	5	NORMAL	3.71 - 10.67	*10 ³ /uL
Haemoglobin	15.88	NORMAL	12 - 16.75	gm/dl
Haematocrit (HCT)	42.1	NORMAL	35.1 - 48.7	%
MCV	85.74	NORMAL	78.4 - 97.6	fL
MCH	32.34	NORMAL	26.5 - 33.5	pg
MCHC	37.72	HIGH	32.9 - 35.4	gm/dL
RDW-CV	13.2	NORMAL	12.7 - 15.6	%
RDW-SD	46.1	NORMAL	38.9 - 49.0	fL
Platelet Count	283.8	NORMAL	150.5 - 366.8	*10 ³ cells/uL
MPV	10.19	NORMAL	7.42 - 10.77	fL
Lymphocytes	46.61	NORMAL	18.94 - 46.71	%
Monocytes	5.22	NORMAL	4.88 - 12.81	%
Neutrophil	44.67	NORMAL	40.62 - 71.65	%
Eosinophil	3.27	NORMAL	0.74 - 6.73	%
Basophils	0.23	NORMAL	0.05 - 0.48	%
Lymphocytes#	2.33	NORMAL	1.15 - 3.52	*10 ³ /uL
Monocytes#	0.26	NORMAL	0.25 - 0.99	*10 ³ /uL
Neutrophil#	2.23	NORMAL	1.85 - 6.72	*10 ³ /uL
Eosinophil#	0.16	NORMAL	0.04 - 0.48	*10 ³ /uL
Basophils#	0.01	NORMAL	0.00 - 0.03	*10 ³ /uL
CMP (Complete Metabolic Panel)				
Tests	Results	Flag	Ref Ranges	Unit

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SODIUM	132	LOW	136 - 145	mEq/L
POTASSIUM	4.32	NORMAL	3.5 - 5.1	mEq/L
CHLORIDE	93.6	LOW	98 - 107	mEq/L
GLUCOSE	395	HIGH	70 - 110	mg/dL
BUN	18	NORMAL	7 - 25	mg/dL
CREATININE	0.79	NORMAL	0.6 - 1.3	mg/dL
BUN/CREA RATIO	22.78	NORMAL	8.0 - 36.0	CALC
CALCIUM	10.2	NORMAL	8.6 - 10.2	mg/dL
TOTAL PROTEIN	7.6	NORMAL	6.4 - 8.9	g/dL
ALBUMIN	4.3	NORMAL	3.5 - 5.7	g/dL
A/G RATIO	1.30	NORMAL	0.6 - 2.2	CALC
ALK PHOS	73	NORMAL	34 - 104	U/L
ALT	8	NORMAL	7 - 52	U/L
AST	9	LOW	13 - 39	U/L
TOTAL BILIRUBIN	0.4	NORMAL	0.3 - 1.0	mg/dL
CO2	21.1	NORMAL	21 - 31	mg/dL

Hepatic Panel

Tests	Results	Flag	Ref Ranges	Unit
Total Protein	7.6	NORMAL	6.4 - 8.9	g/dL
Albumin	4.3	NORMAL	3.5 - 5.7	g/dL
Globulin	3.30	NORMAL	2.0 - 4.8	CALC
A/G Ratio	1.30	NORMAL	0.6 - 2.2	mg/dL
ALK PHOS	73	NORMAL	34 - 104	U/L
ALT	8	NORMAL	7 - 52	U/L
AST	9	LOW	13 - 39	U/L
GGT	17	NORMAL	8.0 - 54.0	U/L

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Bilirubin - Total	0.4	NORMAL	0.3 - 1.0	mg/dL
LDH	148			
THYROID PANEL				
Tests	Results	Flag	Ref Ranges	Unit
T3 Total (Triiodothyronine)	0.56	LOW	0.7 - 1.7	ng/dL
TSH Thyroid Stimulating Hormone	10.33	HIGH	0.5 - 5.0	mIU/L
Free T3	3.1	NORMAL	2 - 4.9	pg/mL
Free T4	0.45	LOW	0.75 - 1.54	ng/dL

HbA1c	7.6	HIGH	Prediabetic 5.7-6.4% Diabetic >= 6.5%	%
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Interpretation	
As per American Diabetes Association (ADA)	
Reference Group	HbA1c in %
Non diabetic adults >=18 years	<5.7
At risk (Prediabetes)	5.7 - 6.4
Diagnosing Diabetes	>= 6.5
Therapeutic goals for glycemic control	Age > 19 years Goal of therapy: < 7.0 Action suggested: > 8.0 Age < 19 years Goal of therapy: <7.5

Magnesium	1.75	LOW	1.9 - 2.7	mg/dl
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Phosphorus (Inorganic)	4.1	NORMAL	2.5 - 5.0	mg/dL
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Vitamin D (25 - Hydroxy)	36.8	NORMAL	8.9 - 44.7	ng/mL
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GGT	17	NORMAL	9 - 64	IU/L
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FSH	98.2	NORMAL	Adult Male (mIU/mL): 1.5-12.4. Adult Female (mIU/mL) Follicular: 3.5-12.5 Ovulatory: 4.7-21.5 Luteal: 1.7-7.7 Postmenopausal: 25.8-134.8	mIU/ml
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DHEA	92.1	NORMAL	Ages 20 to 29: 65 to 380 µg/dL. Ages 30 to 39: 45 to 270 µg/dL. Ages 40 to 49: 32 to 240 µg/dL. Ages 50 to 59: 26 to 200 µg/dL.	µg/dL
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Cortisol (Serum)	18.04	NORMAL	10.4 - 26.4	µg/dl
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Insulin	3.4	NORMAL	< 17	µU/mL
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Iron	76	NORMAL	50 - 212	
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UIBC	229	NORMAL	155 - 355	µg/dl
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FERRITIN	160.1	HIGH	6 - 115	ng/mL
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Uric Acid	2	LOW	2.3 - 7.6	mg/dL
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Progesterone	0.82	NORMAL	Women- Follicular: 0.057 - 0.893 ng/mL. Ovulation: 0.121 - 12.0 ng/mL Luteal: 1.83 - 23.9 ng/mL Postmenopause: 0 - 0.126 ng/mL Pregnant women (trimester): 1st:- 11.0 - 44.3 ng/mL 2nd:- 25.4 - 83.3 ng/mL 3rd:- 58.7 - 214 ng/mL MEN:<1 ng/mL	ng/ml
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Estradiol	<25.0	LOW	Premenopausal women 15-350 pg/mL Postmenopausal <10 pg/mL	pg/mL
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END OF REPORT

Scan to Validate