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Blood Chemistry Analysis

Functional Health Report

Patient Copy

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This report lists the blood test results and shows whether or not an individual biomarker is outside of the optimal range and/or outside of the clinical lab range.	
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Blood Test Results Comparative Report



The Blood Test Results Comparative Report lists the results of your latest and previous Blood Chemistry Screen and CBC Test and shows you whether or not an individual biomarker is outside of the optimal range and/or outside of the clinical lab range.

Above Optimal Range 12 Current 0 Previous ↑	Above Standard Range 9 Current 0 Previous ↑↑	Alarm High 1 Current 0 Previous ⚠
Below Optimal Range 13 Current 0 Previous ↓	Below Standard Range 2 Current 0 Previous ↓↓	Alarm Low 1 Current 0 Previous ⚠

Biomarker	Quest Current Feb 06 2023		Optimal Range	Standard Range	Units
Glucose - Fasting	91.00	↑	75.00 - 86.00	65.00 - 99.00	mg/dL
Hemoglobin A1C	5.10		4.60 - 5.30	0 - 5.70	%
eAG	99.67		85.00 - 105.00	82.00 - 154.00	mg/dl
Insulin - Fasting	6.20	↑	2.00 - 5.00	0 - 19.60	µIU/ml
HOMA2-%B	80.50	↓	90.00 - 110.00	70.00 - 120.00	%
HOMA2-%S	123.50		85.00 - 200.00	75.00 - 250.00	%
HOMA2-IR	0.80		0.75 - 1.25	0.50 - 1.75	Index
QUICKI	0.36	↓	0.45 - 5.00	0.34 - 5.00	Index
BUN	16.00		10.00 - 16.00	7.00 - 25.00	mg/dL
Creatinine	0.80		0.80 - 1.10	0.40 - 1.50	mg/dL
BUN : Creatinine	20.00	↑	10.00 - 16.00	6.00 - 22.00	Ratio
Sodium	139.00		135.00 - 142.00	135.00 - 146.00	mEq/L
Potassium	4.60		4.00 - 5.00	3.50 - 5.30	mEq/L
Chloride	101.00		100.00 - 106.00	98.00 - 110.00	mEq/L
CO2	30.00		25.00 - 30.00	19.00 - 30.00	mEq/L
Sodium : Potassium	30.22		30.00 - 35.00	30.00 - 35.00	ratio
Anion Gap	12.60	↑	7.00 - 12.00	6.00 - 16.00	mEq/L
Leptin - Female	9.70		4.10 - 25.00	4.70 - 23.70	ng/ml
Protein - Total	6.60	↓	6.90 - 7.40	6.10 - 8.10	g/dL
Albumin	4.10	↓	4.50 - 5.00	3.60 - 5.10	g/dL
Globulin - Total	2.50		2.40 - 2.80	1.90 - 3.70	g/dL
Albumin : Globulin	1.60		1.40 - 2.10	1.00 - 2.50	ratio
Calcium	9.10	↓	9.20 - 10.00	8.60 - 10.40	mg/dL
Calcium : Albumin	2.22		0 - 2.60	0 - 2.60	ratio
Alk Phos	53.00	↓	70.00 - 100.00	31.00 - 125.00	IU/L
AST	20.00		10.00 - 26.00	10.00 - 35.00	IU/L
ALT	20.00		10.00 - 26.00	6.00 - 29.00	IU/L
Bilirubin - Total	0.40		0.30 - 0.90	0.20 - 1.20	mg/dL
AST : ALT	1.00		0 - 1.00	0 - 1.00	Ratio

Biomarker	Quest Current Feb 06 2023		Optimal Range	Standard Range	Units
Iron - Serum	51.00	↓	85.00 - 130.00	40.00 - 190.00	µg/dL
Ferritin	9.00	⚠	30.00 - 70.00	16.00 - 154.00	ng/mL
TIBC	428.00	↑↑	250.00 - 350.00	250.00 - 425.00	µg/dL
UIBC	377.00	↑↑	130.00 - 300.00	110.00 - 350.00	µg/dL
% Transferrin saturation	12.00	↓↓	24.00 - 35.00	20.00 - 48.00	%
Cholesterol - Total	217.00	↑↑	160.00 - 180.00	125.00 - 199.99	mg/dL
Triglycerides	183.00	↑↑	70.00 - 80.00	0 - 149.99	mg/dL
LDL Cholesterol	133.00	↑↑	80.00 - 99.99	0 - 99.99	mg/dL
HDL Cholesterol	52.00	↓	55.00 - 70.00	50.00 - 100.00	mg/dL
Non-HDL Cholesterol	165.00	↑↑	0 - 110.00	0 - 129.99	mg/dl
LDL : HDL - Female	2.56	↑	0 - 2.34	0 - 4.12	Ratio
Triglyceride:HDL	3.52	⚠	0.50 - 1.90	0 - 2.00	ratio
Cholesterol : HDL	4.17	↑	0 - 3.00	0 - 5.00	Ratio
Homocysteine	7.20		5.00 - 7.20	0 - 10.30	µmol/L
TSH	0.32	↓↓	1.30 - 3.00	0.40 - 4.50	µU/mL
T4 - Free	1.10		1.00 - 1.50	0.80 - 1.80	ng/dL
T3 - Free	3.30		3.00 - 3.50	2.30 - 4.20	pg/ml
Thyroid Peroxidase (TPO) Abs	<1.00		0 - 6.80	0 - 9.00	IU/ml
Thyroglobulin Abs	<1.00		0 - 1.00	0 - 1.00	IU/ml
Free T3 : Free T4	3.00	↑↑	2.40 - 2.70	2.20 - 2.90	Ratio
Vitamin B12	910.00	↑	450.00 - 800.00	200.00 - 1100.00	pg/ml
Folate - Serum	16.30		15.00 - 25.00	5.50 - 27.00	ng/ml
IGF-1	137.00		60.00 - 201.00	53.00 - 331.00	ng/ml
Parathyroid Hormone - PTH	39.00		10.00 - 47.00	10.00 - 65.00	pg/ml
RBC - Female	4.14		3.90 - 4.50	3.80 - 5.10	m/cumm
Hemoglobin - Female	13.40	↓	13.50 - 14.50	11.70 - 15.50	g/dl
Hematocrit - Female	40.00		37.00 - 44.00	35.00 - 45.00	%
MCV	96.60	↑	82.00 - 89.90	80.00 - 100.00	fL
MCH	32.40	↑	28.00 - 31.90	27.00 - 33.00	pg
MCHC	33.50	↓	34.00 - 36.00	32.00 - 36.00	g/dL
Platelets	246.00	↓	264.00 - 385.00	140.00 - 400.00	10E3/µL
MPV	10.80	↑	7.50 - 8.20	7.50 - 11.50	fL
RDW	12.50		11.00 - 12.60	11.00 - 15.00	%
Total WBCs	4.60	↓	5.50 - 7.50	3.80 - 10.80	k/cumm
Neutrophils - %	45.70		40.00 - 60.00	38.00 - 74.00	%
Lymphocytes - %	35.90		24.00 - 44.00	14.00 - 46.00	%
Monocytes - %	9.50	↑	0 - 7.00	4.00 - 13.00	%
Eosinophils - %	7.60	↑↑	0 - 3.00	0 - 3.00	%
Basophils - %	1.30	↑↑	0 - 1.00	0 - 1.00	%
Neutrophils - Absolute	2.10		1.90 - 4.20	1.50 - 7.80	k/cumm
Lymphocytes - Absolute	1.65		0.95 - 3.10	0.85 - 3.90	k/cumm
Monocytes - Absolute	0.44		0.28 - 0.58	0.20 - 0.95	k/cumm
Eosinophils - Absolute	0.35	↑	0 - 0.30	0 - 0.50	k/cumm

Biomarker	Quest Current Feb 06 2023	Optimal Range	Standard Range	Units
Basophils - Absolute	0.06	0 - 0.10	0 - 0.20	k/cumm
Neutrophil : Lymphocyte	1.27 ↓	1.80 - 2.20	1.00 - 3.00	Ratio
C-Reactive Protein	1.70	0 - 4.50	0 - 7.90	mg/L

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