



**Biologix Center**  
FOR OPTIMUM HEALTH

# Blood Chemistry Analysis Functional Health Report



## Practitioner Report

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**Prepared for**

[REDACTED]  
61 year old male born [REDACTED]  
Fasting

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**Requested by**

Dr. DAVID JERNIGAN

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**Collected  
Date**

Sep 08, 2023

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**Lab**

Lab Corp

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**Powered by**





# What's Inside?

An introduction to Functional Blood Chemistry Analysis and this report.

A full breakdown of all individual biomarker results, showing distance from optimal, comparative and historical views.

Additional notes and information pertinent to this report.

## SECTION 1: INTRODUCTION

- 1 What's Inside?

## SECTION 2: ANALYSIS

- 3 Blood Test History

## SECTION 3: APPENDIX

- 8 Disclaimer



A full breakdown of all the individual biomarker results, showing you if a particular biomarker is outside of the optimal range or outside of the reference range plus a comparative and historical view.

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## **Analytics**

3 Blood Test History

# Blood Test History

The Blood Test History Report lists the results of your patient's Chemistry Screen and CBC tests side by side with the latest test listed on the right-hand side. This report allows you to compare results over time and see where improvement has been made and allows you to track progress.

**Key**

- Optimal
- Above / Below Optimal
- Above / Below Standard
- Alarm High / Alarm Low


Biomarker		Latest 5 Test Results				
		Lab Corp	Lab Corp	Lab Corp	Lab Corp	Lab Corp
		Jul 24 2023	Aug 18 2023	Aug 25 2023	Sep 01 2023	Sep 08 2023
Glucose - Fasting		110.00 ↑↑	97.00 ↑	106.00 ↑ ↑	137.00 ↑ ↑	94.00 ↑
Hemoglobin A1C		5.30	4.60	4.80	4.60	4.70
eAG		105.41 ↑	85.32	91.06	85.32	88.19
Triglyceride-Glucose Index (TyG)		4.64 ↑↑	4.18	4.31	4.40	4.13
BUN		22.00 ↑	14.00	17.00 ↑	18.00 ↑	22.00 ↑
Creatinine		1.14 ↑	0.87	1.02	1.00	1.20 ↑
BUN : Creatinine		19.00 ↑	16.00	17.00 ↑	18.00 ↑	18.00 ↑
eGFR		73.00 ↓	98.00	84.00 ↓	86.00 ↓	69.00 ↓
Sodium		141.00	140.00	142.00	138.00	140.00
Potassium		4.50	4.80	4.60	4.60	4.20
Chloride		108.00 ↑ ↑	106.00	105.00	101.00	104.00
Sodium : Potassium		31.33	29.17 ↓↓	30.87	30.00	33.33
Uric Acid - Male		5.30	4.00	5.40	5.40	4.90
Creatine Kinase		9.00 ↓↓	25.00 ↓↓	26.00 ↓↓	23.00 ↓↓	24.00 ↓↓
Protein - Total		7.50	7.10	7.50	7.30	7.50
Albumin		2.80 ↓↓	3.60 ↓↓	4.10 ↓	3.90 ↓	4.10 ↓
Globulin - Total		4.70 ▲	3.50 ↑	3.40 ↑	3.40 ↑	3.40 ↑
Albumin : Globulin		0.60 ↓↓	1.00 ↓↓	1.20 ↓	1.10 ↓↓	1.20 ↓

Biomarker		Latest 5 Test Results				
		Lab Corp	Lab Corp	Lab Corp	Lab Corp	Lab Corp
		Jul 24 2023	Aug 18 2023	Aug 25 2023	Sep 01 2023	Sep 08 2023
Calcium		8.70 ↓	9.20	9.30	9.80 ↑	9.40
Phosphorus		3.50	4.40 ↑↑	4.00 ↑	4.30 ↑↑	4.10 ↑
Magnesium - Serum		1.70 ↓	2.00 ↓	1.90 ↓	1.90 ↓	1.90 ↓
Magnesium - RBC		4.80 ↓	5.00 ↓	5.10 ↓	4.90 ↓	4.30 ↓
Calcium : Albumin		3.11 ↑↑	2.56 ↑	2.27 ↑	2.51 ↑	2.29 ↑
Calcium : Phosphorus		2.49	2.09 ↓	2.32	2.28 ↓	2.29 ↓
Alk Phos		100.00	48.00	46.00	47.00	44.00 ↓
AST		14.00	9.00 ↓	12.00	9.00 ↓	12.00
ALT		29.00 ↑	10.00	16.00	11.00	12.00
LDH		86.00 ↓↓	96.00 ↓↓	98.00 ↓↓	96.00 ↓↓	123.00 ↓
Bilirubin - Total		1.60 ↑↑	1.00 ↑	1.10 ↑	0.80	0.70
GGT		114.00 ▲	33.00 ↑	34.00 ↑	29.00 ↑	28.00 ↑
AST : ALT		0.48	0.90	0.75	0.82	1.00
Iron - Serum		113.00	116.00	110.00	97.00	97.00
Ferritin		1751.00 ▲	657.00 ▲	586.00 ▲	620.00 ▲	562.00 ▲
Cholesterol - Total		115.00 ↓	157.00 ↓	196.00	173.00	177.00
Triglycerides		98.00 ↑	44.00 ↓	52.00 ↓	48.00 ↓	41.00 ↓
LDL Cholesterol		82.00	82.00	108.00 ↑ ↑	88.00	99.00
HDL Cholesterol		14.00 ▲	65.00	78.00	75.00	69.00
Non-HDL Cholesterol		101.00 ↑	92.00	118.00 ↑	98.00	108.00 ↑
VLDL Cholesterol		19.00 ↑	10.00	10.00	10.00	9.00
LDL : HDL - Male		5.86 ↑↑	1.26	1.38	1.17	1.43
Triglyceride:HDL		7.00 ▲	0.68	0.67	0.64	0.59
Cholesterol : HDL		8.20 ▲	2.40	2.50	2.30	2.60
TSH		1.73	1.54	2.36 ↑	1.79	2.41 ↑

Biomarker		Latest 5 Test Results				
		Lab Corp	Lab Corp	Lab Corp	Lab Corp	Lab Corp
		Jul 24 2023	Aug 18 2023	Aug 25 2023	Sep 01 2023	Sep 08 2023
T4 - Total		5.20 ↓	5.60 ↓	6.20	5.80 ↓	6.60
T3 Uptake		38.00 ↑		29.00	29.00	28.00
Free Thyroxine Index (T7)		2.00		1.80	1.70	1.80
C-Reactive Protein		67.00 ▲	<1.00	1.00	2.00	2.00
ESR - Male		80.00 ▲	47.00 ▲	26.00 ↑↑	38.00 ↑↑	39.00 ↑↑
Vitamin D (25-OH)		53.60	43.30 ↓	39.70 ↓	44.70 ↓	51.40
RBC - Male		2.99 ↓↓	2.62 ↓↓	2.99 ↓↓	2.88 ↓↓	3.14 ↓↓
Hemoglobin - Male		9.00 ↓↓	8.50 ↓↓	9.80 ↓↓	9.70 ↓↓	10.60 ↓↓
Hematocrit - Male		27.70 ↓↓	25.60 ↓↓	29.80 ↓↓	29.00 ↓↓	32.00 ↓↓
MCV		93.00 ↑	98.00 ↑↑	100.00 ↑ ↑	101.00 ↑ ↑	102.00 ↑↑
MCH		30.10	32.40 ↑	32.80 ↑	33.70 ↑↑	33.80 ↑↑
MCHC		32.50 ↓	33.20 ↓	32.90 ↓	33.40 ↓	33.10 ↓
Platelets		71.00 ▲	80.00 ▲	102.00 ↓ ↓	116.00 ↓↓	132.00 ↓↓
RDW		15.20 ↑	17.90 ↑↑	18.50 ↑↑	17.80 ↑↑	17.10 ↑↑
Total WBCs		2.80 ↓↓	1.80 ↓↓	2.60 ↓↓	2.40 ↓↓	3.20 ↓↓
Neutrophils - %		35.00 ↓↓	47.00 ↓	62.00 ↑	53.00	63.00 ↑
Lymphocytes - %		60.00 ↑↑	45.00 ↑	32.00	41.00 ↑	31.00
Monocytes - %		4.00	6.00	6.00	6.00	6.00
Eosinophils - %		0.00	0.00	0.00	0.00	0.00
Basophils - %		0.00	1.00	0.00	0.00	0.00
Neutrophils - Absolute		1.00 ↓↓	0.90 ↓↓	1.60 ↓	1.20 ↓↓	2.00
Lymphocytes - Absolute		1.70	0.80 ↓	0.80 ↓	1.00 ↓	1.00 ↓
Monocytes - Absolute		0.10 ↓	0.10 ↓	0.20	0.20	0.20
Eosinophils - Absolute		0.00 ↓	0.00 ↓	0.00 ↓	0.00 ↓	0.00 ↓
Basophils - Absolute		0.00	0.00	0.00	0.00	0.00

Biomarker

Latest 5 Test Results

	Lab Corp	Lab Corp	Lab Corp	Lab Corp	Lab Corp
	Jul 24 2023	Aug 18 2023	Aug 25 2023	Sep 01 2023	Sep 08 2023
Neutrophil : Lymphocyte	 0.59 ↓ ↓	1.12	2.00 ↑	1.20	2.00 ↑

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Highly detailed and interpretive descriptions of the results presented in each of the assessment and analysis section reports.

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## Appendix

8 Disclaimer





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