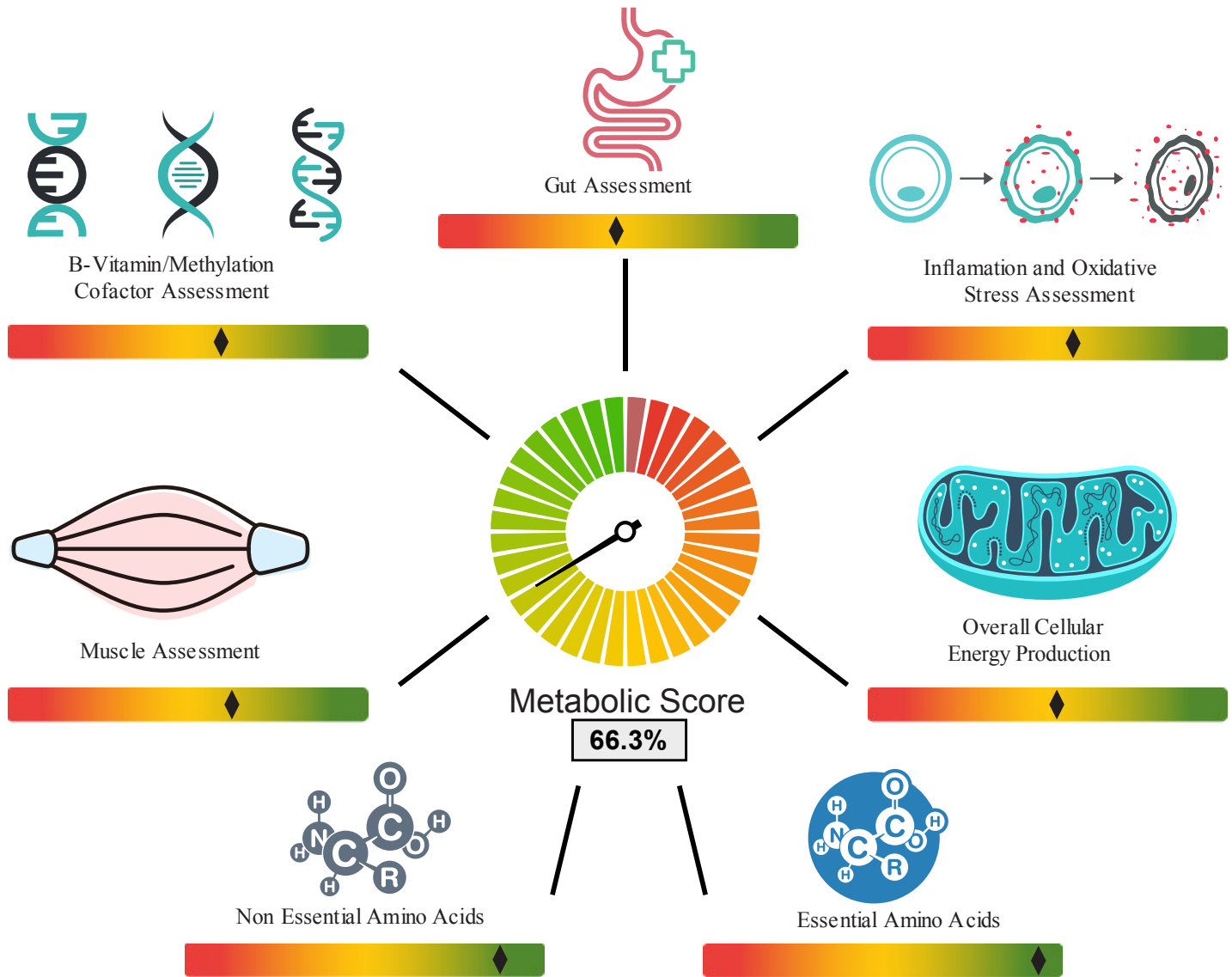


Male Comprehensive Metabolic Performance Profile (Urine)

Patient Information	Clinician/Order Information	Sample Information
John Doe DOB: Gender: Male Phone: Patient ID: Height: ** Weight: **lbs	Practitioner Name Facility Name Order date: 1/1/2022	Accession# 0122-0000000 Collected: 1/1/2022 Received: 1/1/2022 Reported: 1/1/2022 3:55:36 PM Collection time: 1st 5:57 AM



Performed by Physicians Lab
 4850 T-Rex Ave, Suite 150, Boca Raton, FL 33431
 CLIA Lic. # 10D2147002



NUTRACEUTICAL RECOMMENDATIONS	ANALYTES
Alpha-KG	Glutamine
BH4	Phenylalanine
Copper	Tryptophan
Iron	Phenylalanine, Tryptophan, Hydroxyproline
Methylation support	S-Adenosylhomocysteine, Homovanillic Acid
Tyrosine	Homovanillic Acid
Vitamin B2	Homovanillic Acid
Vitamin B3	Tryptophan, S-Adenosylhomocysteine, Homovanillic Acid
Vitamin B6	Glutamine, Tryptophan, Homovanillic Acid
Vitamin C	Phenylalanine, Hydroxyproline

POTENTIAL CAUSES

Glutamine: Elevated from B6 deficiency.
Homovanillic Acid: Low from dopamine or B-vitamin deficiency, poor methylation.
Hydroxyproline: Low from vitamin C and iron deficiencies.
Phenylalanine: Elevated from cofactors BH4, niacin and iron deficiencies.
S-Adenosylhomocysteine: Elevated from B3 deficiency or high homocysteine levels.
Tryptophan: Elevated from deficiencies in iron, copper, B3 and B6.

PRACTITIONERS NOTES



Patient Result History

Analyte	Unit	1/25/2022 (0122-0000761)		
		Observation	Results	Reference Range
Creatinine	mg/dL		201.212	30 - 300
Cellular Energy Production				
Adipic Acid	ng/mg CR		1948.3	<=3622.2
Carnitine	ug/mg CR		3.6	1.3 - 31.6
Suberic Acid	ng/mg CR		647.9	<=2232.9
3-Hydroxybutyric Acid	ng/mg CR		26.5	<=925.3
Pyruvic Acid	ng/mg CR		2582.3	159.0 - 3613.2
3-Hydroxy-3-methylglutaric Acid (HMG)	ng/mg CR		2715.9	<=7905.9
Lactic Acid	ug/mg CR		24.4	3.0 - 83.7
Succinic Acid	ug/mg CR		7.1	2.5 - 42.0
cis-Aconitic Acid	ug/mg CR		12.6	5.3 - 46.0
B-Vitamin/Methylation Cofactor Assessment				
2-Amino butyric Acid	ng/mg CR		1061	496.3 - 2418.4
Glycine	ug/mg CR		59.4	28.7 - 211.1
Kynurenic Acid	ng/mg CR		745.9	<=2380.5
Methylmalonic Acid	ng/mg CR		1617	<=2624.3
Sarcosine	ng/mg CR		82.7	<=244.3
Serine	ug/mg CR		21.2	0.2 - 29.7
Homovanillic Acid	ng/mg CR	Low	1086.7	1152.2 - 4018.1
S-Adenosylhomocysteine	ng/mg CR	High	509.2	<=455.9
Vanillylmandelic Acid	ng/mg CR		2382.1	1007.0 - 8263.6
Xanthurenic Acid	ng/mg CR		859	<=3454.1
Inflammation and Oxidative Stress				
3-Aminoisobutyric Acid	ug/mg CR		2.9	2.0 - 19.2
6-Sulfatoxymelatonin	ng/mg CR		20.4	10.4 - 1052.7
8-OH-dG	ng/mg CR		2.7	<=7.8
Allantoin	ug/mg CR		6.2	3.8 - 20.7
Benzoic Acid	ug/mg CR		0.7	<=31.9
Hippuric Acid	ug/mg CR		295.1	<=582.7
Pyroglutamic Acid	ug/mg CR		24.4	22.8 - 53.1
Muscle Assessment				
1-Methyl-Histidine	ug/mg CR		90.6	45.7 - 152.4
3-Aminoisobutyric Acid	ug/mg CR		2.9	2.0 - 19.2
3-Methyl-Histidine	ug/mg CR		21.1	19.3 - 374.9
Beta-Alanine	ng/mg CR		134.1	<=2000.3
Citrulline	ng/mg CR		432.3	65.6 - 510.3
Hydroxyproline	ng/mg CR	Low	915.4	970.6 - 3604.9
Proline	ng/mg CR		851.6	138.4 - 2101.7
Essential Amino Acids				
Histidine	ug/mg CR		138.1	23.9 - 144.2
Isoleucine	ng/mg CR		1019.2	115.5 - 1542.2
Leucine	ng/mg CR		2347.8	130.6 - 3428.5
Methionine	ng/mg CR		750	40.7 - 996.8
Phenylalanine	ng/mg CR	High	7823.8	1470.3 - 7378.6
Threonine	ug/mg CR		7.4	0.7 - 14.3
Tryptophan	ug/mg CR	High	13.9	1.6 - 10.7
Valine	ng/mg CR		3174.8	367.2 - 4056.7
Non-Essential Amino Acids				
Alanine	ug/mg CR		22.9	7.8 - 39.5
Asparagine	ug/mg CR		8.9	1.8 - 12.8
GABA	ng/mg CR		78.1	<=554.9
Glutamine	ug/mg CR	High	56.9	1.5 - 47.6
Proline	ng/mg CR		851.6	138.4 - 2101.7
Tyrosine	ug/mg CR		6.9	0.2 - 12.3
Taurine	ug/mg CR		24.5	4.8 - 93.4



Analyte	Unit	1/25/2022 (0122-0000761)		
		Observation	Results	Reference Range
Gut Assessment				
3-Hydroxy-3-methylglutaric Acid (HMG)	ng/mg CR		2715.9	<=7905.9
Allantoin	ug/mg CR		6.2	3.8 - 20.7
Benzoic Acid	ug/mg CR		0.7	<=31.9
Glutamine	ug/mg CR	High	56.9	1.5 - 47.6
Hippuric Acid	ug/mg CR		295.1	<=582.7
Histidine	ug/mg CR		138.1	23.9 - 144.2
Lactic Acid	ug/mg CR		24.4	3.0 - 83.7
Pyruvic Acid	ng/mg CR		2582.3	159.0 - 3613.2
Tryptophan	ug/mg CR	High	13.9	1.6 - 10.7

