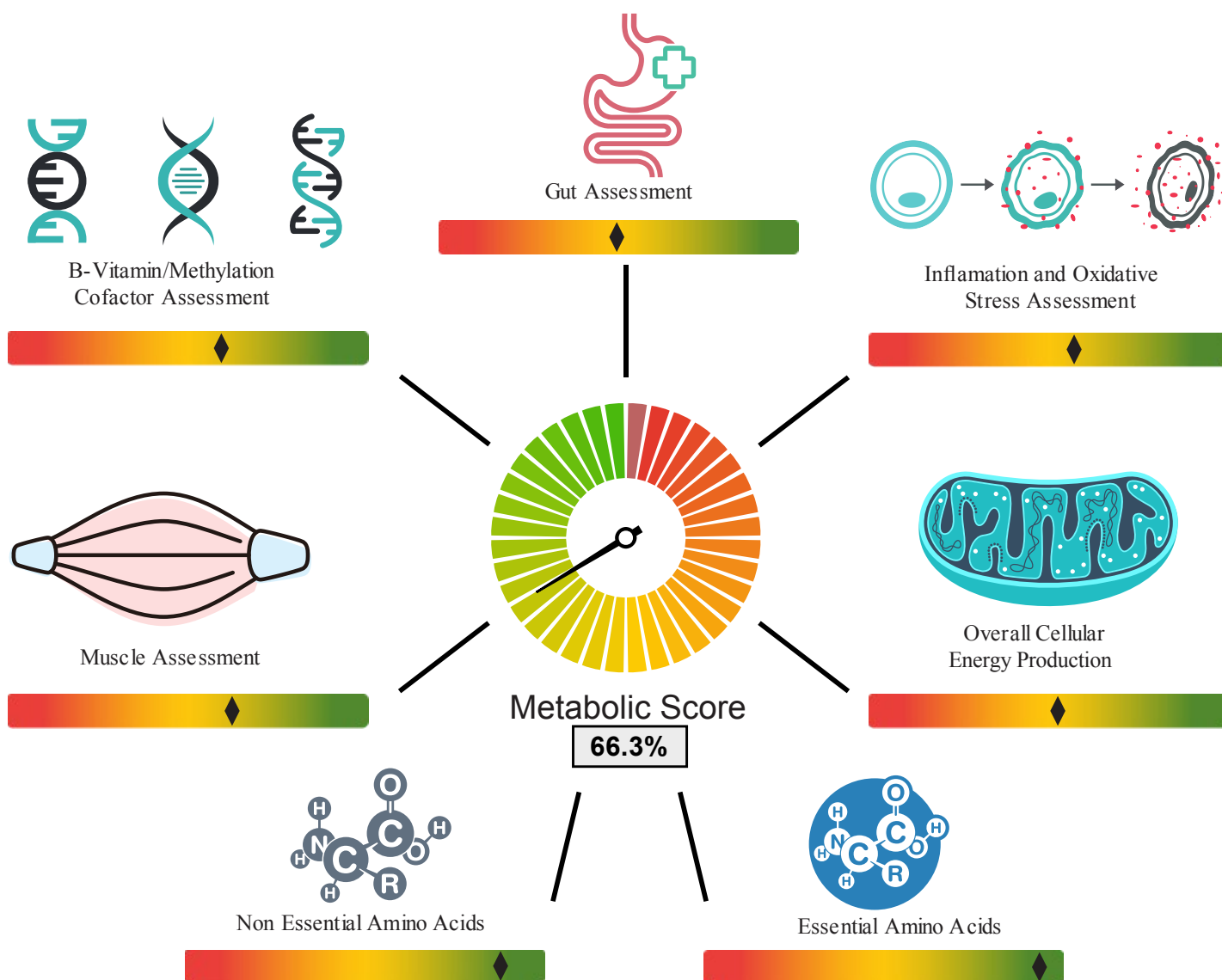


## Male Comprehensive Metabolic Performance Profile (Urine)

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



Performed by Physicians Lab  
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CLIA Lic. # 10D2147002



Disclaimer: This report does not serve as a substitute for any consultation, diagnosis and/or medical treatment from a qualified physician or healthcare provider. Any consultation or review of this report with a Dietician, or any other non-medical provider, that results in the recommendation of nutritional supplements does not constitute medical advice or treatment. The performance specifications of all assays have been established and verified by Physicians Lab, Inc. and as such, are considered Lab Developed Tests, which are not FDA approved. Nothing in this report, or review of such conducted by a non-medical provider, is capable of providing any indication of a disease, disorder, cancer or other Critical Markers.

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

