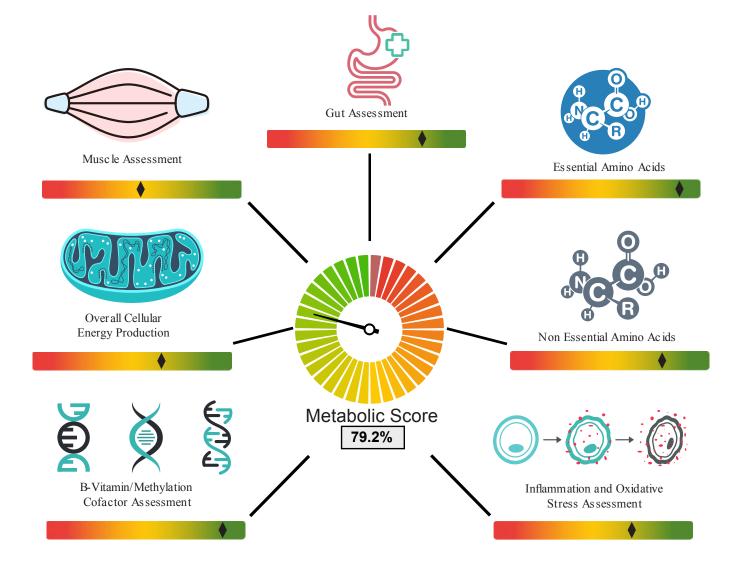


Male Comprehensive Metabolic Performance Profile (Urine)

Patient Information	Clinician/Order Information	Sample Information	
Test Patient	Test Provider	Accession# 1123-0010146	
DOB: 8/18/1974 Age: 49 Gender: Male Phone:		Collected: 11/6/2023	
	Medical Group	Received: 11/7/2023	
	e: 49 9547713685	Reported: 11/10/2023 2:25:05 PM	
9547713685 Patient	Order date: 11/2/2023	Collection time: 1st	
ID: 8142d714		6:45 AM	



The Metabolic Score is a calculated average of the patient's combined results of each category. The median Metabolic Score is 50%, which represents the healthy and non-diseased population. The Metabolic score indicates how far above or below the patient's results are compared to the population median of 50%.



Test Patient Accession# 1123-0010146

ANALYTE		RECOMMENDATIONS	POTENTIAL CAUSES				
Inflammation and Oxidative Stress							
3-Aminoisobutyric Acid	Above Detection Limit	Vitamin B6 Vitamin B12 Methylfolate	Elevated from B6, B12 deficiencies.				
Cellular Energy Production							
Succinic Acid	Low	Amino Acid replacement Vitamin B12	Low from dietary leucine and isoleucine deficiency.				
cis-Aconitic Acid	Low	Arginine	Low from arginine deficiency, low acetyl-CoA from fatty acid oxidation.				
Muscle Assessment							
3-Aminoisobutyric Acid	Above Detection Limit	Vitamin B6 Vitamin B12 Methylfolate	Elevated from B6, B12 deficiencies.				
Hydroxyproline	Low	Vitamin C Iron	Low from vitamin C and iron deficiencies.				



Test Patient Accession# 1123-0010146

Patient Result History

Please Note: New Reference Ranges effective 11/06/2023

		11/10/2023 (1123-0010146)		
Analyte	Unit	Observation	Results	Reference Range
Creatinine	mg/dL		168.996	30 - 300
	Gut Asse	essment		
3-Hydroxy-3-methylglutaric Acid (HMG)	ng/mg CR		56.2	<=8548.6
Allantoin	ug/mg CR		3.6	2.7 - 16.4
Benzoic Acid	ug/mg CR		0	<=409.2
Glutamine	ug/mg CR		40.3	5.2 - 48.9
Hippuric Acid	ug/mg CR		118.7	<=779.6
Histidine	ug/mg CR		71.5	24.2 - 129.4
_actic Acid	ug/mg CR	Low	0.9	2.5 - 7175.3
Pyruvic Acid	ng/mg CR		1357	355.2 - 6118.1
Tryptophan	ug/mg CR		5.4	2.5 - 3290.5
7,500	Essential A	mino Acids		
Histidine	ug/mg CR		71.5	24.2 - 129.4
soleucine	ng/mg CR		889.4	122.2 - 1454.5
_eucine	ng/mg CR		2230.3	128.5 - 3349.4
Methionine	ng/mg CR		603.6	55.8 - 1505.1
Phenylalanine	ng/mg CR		3376.1	1449.1 - 6631.6
Threonine	ug/mg CR		6.9	0.8 - 14.0
Tryptophan	ug/mg CR		5.4	2.5 - 3290.5
Valine	ng/mg CR		2410	377.0 - 3738.8
vanie	Non-Essential	Amino Acids	2410	077.0 0700.0
Alanine	ug/mg CR	Zamino Ziolao	7.5	7.0 - 35.0
Asparagine	ug/mg CR		6.2	2.4 - 2844.5
GABA	ng/mg CR		48.1	<=547.3
Glutamine	ug/mg CR		40.3	5.2 - 48.9
Proline	ng/mg CR		219.6	181.2 - 1470.6
Tyrosine	ug/mg CR		5.4	0.5 - 964.0
Taurine	ug/mg CR		38	5.1 - 90.2
i durine	Inflammation and	Oxidative Stress		0.1 70.2
B-Aminoisobutyric Acid	ug/mg CR	Above Detection Limit	-	2.3 - 3528.4
5-Sulfatoxymelatonin	ng/mg CR	Abore Betestion Limit	15.8	7.7 - 595.9
8-OH-dG	ng/mg CR		1.3	<=10.7
Allantoin	ug/mg CR		3.6	2.7 - 16.4
Benzoic Acid	ug/mg CR		0	<=409.2
Hippuric Acid	ug/mg CR		118.7	<=779.6
Pyroglutamic Acid	ug/mg CR	Low	15.6	21.6 - 27468.3
, yrogiatariio / tota	B-Vitamin/Methylation		10.0	2110 2740010
2-Amino butyric Acid	ng/mg CR	Oblactor Addedonient	993.7	560.5 - 2474.6
Glycine	ug/mg CR		37.9	26.8 - 169.5
Kynurenic Acid	ng/mg CR		731	<=2179.6
Methylmalonic Acid	ng/mg CR		414.7	<=2239.2
Sarcosine	ng/mg CR		38.1	<=262.8
Serine	ug/mg CR		15.8	0.3 - 4875.8
Homovanillic Acid	ng/mg CR		1872.1	1177.7 - 4675.4
S-Adenosylhomocysteine	ng/mg CR		219.7	<=533.4
Vanillylmandelic Acid	ng/mg CR		2040.8	933.5 - 6510.8
Xanthurenic Acid	ng/mg CR		115.3	<=5037.5
	Cellular Energ	v Production		300710
Adipic Acid	ng/mg CR		552.4	<=4290.0
Carnitine	ug/mg CR		8.7	1.2 - 32.5
	ng/mg CR		368.3	<=2524.2
Suberic Acid				
				<=3771.9
Suberic Acid 3-Hydroxybutyric Acid Pyruvic Acid	ng/mg CR ng/mg CR		770.2 1357	<=3771.9 355.2 - 6118.1

Test Patient Accession# 1123-0010146

Analyte	Unit	11/10/2023 (1123-0010146)		
Allalyte	Offit	Observation	Results	Reference Range
Lactic Acid	ug/mg CR	Low	0.9	2.5 - 7175.3
Succinic Acid	ug/mg CR	Low	1.3	2.0 - 4938.7
cis-Aconitic Acid	ug/mg CR	Low	4.5	8.5 - 11389.3
	Muscle	Assessment		
1-Methyl-Histidine	ug/mg CR		79.2	47.2 - 165.3
3-Aminoisobutyric Acid	ug/mg CR	Above Detection Limit	-	2.3 - 3528.4
3-Methyl-Histidine	ug/mg CR		145.5	21.2 - 403.7
Beta-Alanine	ng/mg CR		780.4	<=2406.0
Citrulline	ng/mg CR		182.7	96.0 - 853.9
Hydroxyproline	ng/mg CR	Low	630.1	876.2 - 3606.7
Proline	ng/mg CR		219.6	181.2 - 1470.6

