

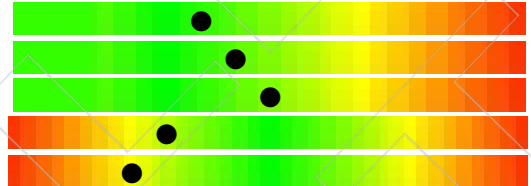
Nutrient Markers

URINE, SPOT

KETONE/FATTY ACID Metabolites

(Carnitine & B2)

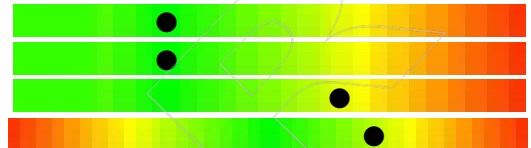
1. Adipic Acid.	3.60	0.00 - 11.10 ug/mgCR
2. Suberic Acid.	2.10	0.00 - 4.60 ug/mgCR
3. Ethylmalonic Acid	4.10	0.00 - 6.30 ug/mgCR
4. Pimelic Acid	12.0	5.9 - 31.8 ug/mgCR
5. Methyl-Succinic Acid	5.50	3.20 - 21.10 ug/mgCR



CARBOHYDRATE Metabolism/Glycolysis

(B1, B3, Cr, Lipoic Acid, CoQ10)

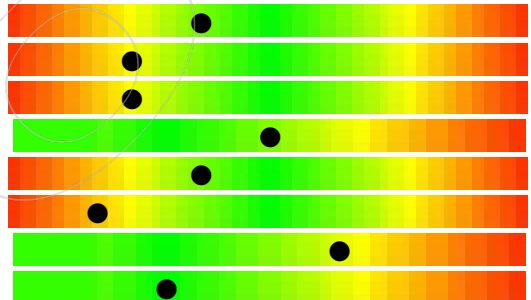
6. Pyruvic Acid.	1.60	0.00 - 6.40 ug/mgCR
7. Lactic Acid.	3.50	0.00 - 16.40 ug/mgCR
8. b-OH-Butyric Acid	8.60	0.00 - 9.90 ug/mgCR
9. Glucose (OA)	1.1	0.3 - 1.1 mmol/L



CITRIC ACID CYCLE Metabolites.

(B Comp., CoQ10, Amino Acids, Mg)

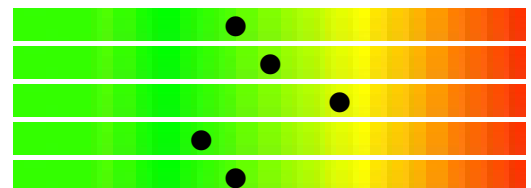
10. Citric Acid.	450.0	56.0 - 987.0 ug/mgCR
11. cis-Aconitic Acid.	29.0	18.0 - 78.0 ug/mgCR
12. Isocitric Acid.	49.0	35.0 - 143.0 ug/mgCR
13. a-Ketoglutaric Acid.	21.00	0.00 - 35.00 ug/mgCR
14. Succinic Acid	9.50	1.10 - 20.90 ug/mgCR
15. Fumaric Acid.	1.10	1.10 - 1.35 ug/mgCR
16. Malic Acid.	2.90	0.00 - 3.10 ug/mgCR
17. b-OH-b-Methylglutaric Acid	1.20	0.00 - 5.10 ug/mgCR



B-Complex Vitamins & Amino Acid Markers

(B1, B2, B3, B5, B6, Biotin)

18. a-Ketoisovaleric Acid	0.24	0.00 - 0.49 ug/mgCR
19. a-Ketoisocaproic Acid	0.30	0.00 - 0.52 ug/mgCR
20. a-Keto-b-Methylvaleric Acid	0.95	0.00 - 1.10 ug/mgCR
21. Xanthurenic Acid	0.2	0.0 - 0.5 ug/mgCR
22. beta-Hydroxyisovaleric Acid	5.50	0.00 - 11.50 ug/mgCR



METHYLATION COFACTORS

(B12, Folate)

23. Methylmalonic Acid.	2.90 *H	0.00 - 2.30 ug/mgCR
24. Formiminoglutamic Acid **	1.4	0.0 - 2.2 ug/mgCR

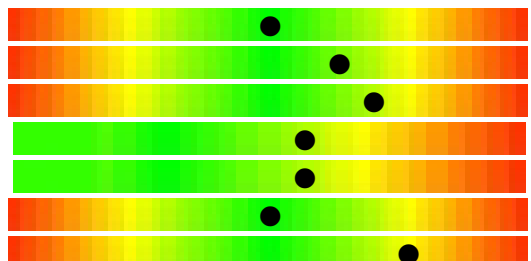


Cell Regulation Markers

NEUROTRANSMITTER METABOLISM

(Tyrosine, Tryptophan, B6, Antioxidants)

25. Homovanillic Acid (HVA)	5.00	1.40 - 7.60 ug/mgCR
26. Vanillylmandelic Acid (VMA)	4.60	1.20 - 5.30 ug/mgCR
27. 5-Hydroxyindoleacetic Acid (5HIAA)	9.60	1.60 - 9.80 ug/mgCR
28. Kynurenic Acid.	1.1	0.0 - 1.5 ug/mgCR
29. Quinolinic Acid (OA)	4.70	0.00 - 5.80 ug/mgCR
30. Picolinic Acid	10.0	2.8 - 13.5 ug/mgCR
31. Cortisol (OA)	555 *H	166 - 507 nmol/L



Methodology: Liquid Chromatography with tandem mass spectrometry (LC-MS-MS).

P: +1.206.365.1256
 E: cservice@usbiotek.com
 1620 Linden Av N
 Shoreline WA, 98133

LAB ID : 3890014
 Collection Date : 11-May-2023
 Received Date: 11-May-2023

Dr.TEST DOCTOR

Oxidative Damage/AntiOxidant Markers

(Vitamin C and Other Antioxidants)

32.	ParaHydroxyphenyllactate	0.57	0.00 - 0.66 ug/mgCR	
33.	8 OH-deoxyguanosine	3.8	0.0 - 7.6 ug/mgCR	

Toxicants and Detoxification

DETOXIFICATION INDICATORS

(Arg, NAC, Met, Mg, Antioxidants)

34.	2-Methylhippuric Acid	<dl	0.00 - 0.19 ug/mgCR	
35.	Orotic Acid.	0.96	0.00 - 1.01 ug/mgCR	
36.	Glucaric Acid.	5.6	0.0 - 10.7 ug/mgCR	
37.	a-OH-Butyric Acid	0.77	0.00 - 0.90 ug/mgCR	
38.	Pyroglutamic Acid.	33.00	28.00 - 88.00g/mgCR	

Compounds of Bacterial or Yeast/Fungal Origin

BACTERIAL DYSBIOSIS MARKERS.

39.	Benzoate (OA)	18.00 *H	0.00 - 9.30 ug/mgCR	
40.	Hippurate (OA)	944	0.0 - 1070 ug/mgCR	
41.	Phenylacetate	5.6 *H	0.0 - 0.2 ug/mgCR	
42.	Phenylpropionate	2.3 *H	0.0 - 0.1 ug/mgCR	
43.	ParaHydroxyBenzoate	3.5 *H	0.0 - 1.8 ug/mgCR	
44.	p-HydroxyPhenylacetate	24.0	0.0 - 34.0 ug/mgCR	
45.	Indoleacetic Acid	57.00	0.00 - 90.00ug/mgCR	
46.	Tricarballylate	0.95	0.00 - 1.41 ug/mgCR	

L. acidophilus/General Bacteria

47.	D-Lactate	0.9	0.0 - 4.1 ug/mgCR	
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CLOSTRIDIAL SPECIES

48.	Dihydroxyphenylpropionic Acid	0.1 *H	0.0 - 0.1 ug/mgCR	
49.	4-Cresol	11.0	0.0 - 75.0 ug/mgCR	
50.	3-OH-Propionic Acid	2.0	0.0 - 208.0 ug/mgCR	

YEAST/FUNGAL DYSBIOSIS MARKERS.

51.	Arabinitol	5.0	0.0 - 73.0 ug/mgCR	
52.	Citramalic Acid	3.1	0.0 - 3.6 ug/mgCR	
53.	Tartaric Acid.	4.0	0.0 - 7.0 ug/mgCR	

Oxalate Metabolites

54.	Oxalic Acid	5.60	0.77 - 7.00 ug/mgCR	
55.	Glyceric Acid	21.0	16.0 - 117.0ug/mgCR	
56.	Glycolic Acid	14.0	6.8 - 101.0 ug/mgCR	

Nutritional Markers

57.	Pyridoxic Acid (Vit B6)	5.0	0.0 - 34.0 ug/mgCR	
58.	Pantothenic Acid (Vit B5)	6.0	0.0 - 10.0 ug/mgCR	
59.	Glutaric Acid (Vit B2) **	0.2	0.0 - 0.4 ug/mgCR	
60.	Ascorbic Acid (Vit C)	9.0 *L	10.0 - 200 ug/mgCR	
61.	CoEnzyme-Q10 (CoQ10) **	15.00	0.17 - 39.00ug/mgCR	
62.	N-Acetylcysteine (NAC)	0.14	0.00 - 0.28 ug/mgCR	
63.	Biotin (Vit H)	2.10	0.19 - 2.70 ug/mgCR	

Creatinine, Urine Spot.	8.0	5.0 - 11.0 mmol/L	
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Results reported as <dl = Less than detectable limit ** A high value for this marker may indicate a deficiency of this vitamin

Methodology: Liquid Chromatography with tandem mass spectrometry (LC-MS-MS).