

Accession #:
Order #:
Reference #:
Patient:
Date of Birth:
Age:
Sex:
Reprinted:
Comment:

Date Collected:
Date Received:
Date of Report:

Telephone:
Fax:



0091 Organix[®] Comprehensive Profile - Urine

Methodology: LC/Tandem Mass Spectroscopy, Colorimetric



0091 Organix® Comprehensive Profile - Urine

Methodology: LC/Tandem Mass Spectroscopy, Colorimetric

This report is not intended for the diagnosis of neonatal inborn errors of metabolism.

Ranges are for ages 13 and over

Results
mcg/mg creatinine



95% Reference Range

Nutrient Markers

Fatty Acid Metabolism

(Carnitine & B2)

Item	Result	Quintile	95% Reference Range
1. Adipate	6.3 H	5th	<= 11.1
2. Suberate	0.7	2nd	<= 4.6
3. Ethylmalonate	0.9	1st	<= 6.3

Carbohydrate Metabolism

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

Item	Result	Quintile	95% Reference Range
4. Pyruvate	2.4	3rd	<= 6.4
5. L-Lactate	2.6	1st	1.6-57.1
6. β-Hydroxybutyrate	<DL*	1st	<= 9.9

Energy Production (Citric Acid Cycle)

(B comp., CoQ10, Amino acids, Mg)

Item	Result	Quintile	95% Reference Range
7. Citrate	814 H	5th	56-987
8. Cis-Aconitate	85 H	5th	18-78
9. Isocitrate	214 H	5th	39-143
10. α-Ketoglutarate	16.0	4th	<= 35.0
11. Succinate	17.3 H	5th	<= 20.9
12. Fumarate	0.68 H	5th	<= 1.35
13. Malate	0.8	3rd	<= 3.1
14. Hydroxymethylglutarate	1.8	1st	<= 5.1



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B-Complex Vitamin Markers

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

Marker	Result	Quintile Ranking	95% Reference Range
15. a-Ketoisovalerate	0.16	0.25	<= 0.49
16. a-Ketocaproate	0.12	0.34	<= 0.52
17. a-Keto-β-methylvalerate	0.23	0.38	<= 1.10
18. Xanthurenate	0.21	0.34	<= 0.46
19. β-Hydroxyisovalerate	6.0	7.6	<= 11.5

Methylation Cofactor Markers

(B12, Folate)

20. Methylmalonate	0.7	1.7	<= 2.3
21. Formiminoglutamate	0.1	1.2	<= 2.2

Cell Regulation Markers

Neurotransmitter Metabolism Markers

(Tyrosine, Tryptophan, B6, antioxidants)

22. Vanilmandelate	4.2	H 1.6 - 3.9	1.2-5.3
23. Homovanillate	3.2	1.9 - 5.7	1.4-7.6
24. 5-Hydroxyindoleacetate	2.1	2.1 - 5.6	1.6-9.8
25. Kynurenate	0.9	1.0	<= 1.5
26. Quinolinatate	1.8	4.0	<= 5.8
27. Picolinatate	2.9	8.0	2.8-13.5

Oxidative Damage and Antioxidant Markers

(Vitamin C and other antioxidants)

28. p-Hydroxyphenyllactate	0.31	0.39	<= 0.66
29. 8-Hydroxy-2-deoxyguanosine	1.7	5.3	<= 7.6

(Units for 8-hydroxy-2-deoxyguanosine are ng/mg creatinine)



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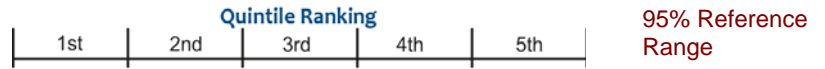
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Toxicants and Detoxification

Detoxification Indicators

(Arg, NAC, Met, Mg, antioxidants)

Item	Value	Quintile	95% Reference Range
30. 2-Methylhippurate	0.083	4th	<= 0.192
31. Orotate	0.27	2nd	<= 1.01
32. Glucarate	10.1 H	5th	<= 10.7
33. a-Hydroxybutyrate	0.35 H	5th	<= 0.9
34. Pyroglutamate	115 H	5th	28-88
35. Sulfate	958	1st	690-2988

Compounds of Bacterial or Yeast/Fungal Origin

Bacterial - general

Item	Value	Quintile	95% Reference Range
36. Benzoate	<DL*	4th	<= 9.3
37. Hippurate	164	3rd	<= 1070
38. Phenylacetate	<DL*	1st	<= 0.18
39. Phenylpropionate	<DL*	4th	<= 0.06
40. p-Hydroxybenzoate	<DL*	1st	<= 1.8
41. p-Hydroxyphenylacetate	6	1st	<= 34
42. Indican	29	3rd	<= 90
43. Tricarballic acid	0.18	2nd	<= 1.41

L. acidophilus / general bacterial

44. D-Lactate	0.5	4th	<= 4.3
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Clostridial species

45. 3,4-Dihydroxyphenylpropionate	<DL*	4th	<= 0.05
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Yeast / Fungal

46. D-Arabinitol	38 H	5th	<= 73
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Creatinine = 190 mg/dL

* <DL = less than detection limit

** >LIN = greater than linearity limit