

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

Date Collected:
Date Received:
Date of Report:

Telephone:
Fax:



0291 Organix® Basic Profile - Urine

Methodology: LC/Tandem Mass Spectroscopy, Colorimetric



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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)

1. Adipate	6.1		6.2	<= 11.1
2. Suberate	2.3	H	2.1	<= 4.6
3. Ethylmalonate	2.5		3.6	<= 6.3

Carbohydrate Metabolism

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

4. Pyruvate	3.5		3.9	<= 6.4
5. L-Lactate	2.2		12.6	1.6-57.1
6. β-Hydroxybutyrate	<DL*		2.1	<= 9.9

Energy Production (Citric Acid Cycle)

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

7. Citrate	710	H	601	56-987
8. Cis-Aconitate	88	H	51	18-78
9. Isocitrate	175	H	98	39-143
10. α-Ketoglutarate	8.8		19.0	<= 35.0
11. Succinate	21.0	H	11.6	<= 20.9
12. Fumarate	0.75	H	0.59	<= 1.35
13. Malate	1.5	H	1.4	<= 3.1
14. Hydroxymethylglutarate	3.0		3.6	<= 5.1



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Nutrient Markers

B-Complex Vitamin Markers

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

Marker	Result	Quintile Ranking	95% Reference Range
15. a-Ketoisovalerate	0.22	4th	<= 0.49
16. a-Ketocaproate	0.13	2nd	<= 0.52
17. a-Keto-β-methylvalerate	0.30	4th	<= 1.10
18. Xanthurenate	0.91 H	5th	<= 0.46
19. β-Hydroxyisovalerate	7.3	4th	<= 11.5

Methylation Cofactor Markers

(B12, Folate)

20. Methylmalonate	1.8 H	4th	<= 2.3
21. Formiminoglutamate	0.1	1st	<= 2.2

Cell Regulation Markers

Neurotransmitter Metabolism Markers

(Tyrosine, Tryptophan, B6, antioxidants)

22. Vanilmandelate	3.5	4th	1.2-5.3
23. Homovanillate	0.8 L	1st	1.4-7.6
24. 5-Hydroxyindoleacetate	2.3	2nd	1.6-9.8
25. Kynurenate	0.9	4th	<= 1.5
26. Quinolinate	4.9 H	5th	<= 5.8
27. Picolinate	3.2	1st	2.8-13.5



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Toxicants and Detoxification

Detoxification Indicators

(Arg, NAC, Met, Mg, antioxidants)

Indicator	Result	Quintile Ranking	95% Reference Range
28. 2-Methylhippurate	0.088 H	0.084	<= 0.192
29. Orotate	0.55	0.69	<= 1.01
30. Glucarate	10.1 H	6.3	<= 10.7
31. a-Hydroxybutyrate	0.2	0.3	<= 0.9
32. Pyroglutamate	41	59	28-88

Creatinine = 175 mg/dL

* <DL = less than detection limit

** >LIN = greater than linearity limit