

Accession Number: **A0212160029**  
Reference Number:  
Patient: Sample Report  
Age: 32 Sex: M  
Date Collected:  
Date Received: 12/16/02  
Report Date: 12/16/02  
Telephone: 770-446-5483  
Fax: 770-441-2237  
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Comment:

Ordering Physician:

Metamatrix Research Account  
4855 Peachtree Industrial Blvd.  
Suite 201  
Norcross, GA 30092

**0091 Urine Organix Profile**

Methodology: LC/Tandem Mass Spectroscopy, Colorimetric

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

**Patient Population Ranking**  
**Quintile**

1st	2nd	3rd	4th	5th
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**NUTRIENT MARKERS**

**Fatty Acid Metabolism**

(Carnitine & B2)

	Results	Reference Limits	
1 Adipate	7.5	<= 8.4	
2 Suberate	3.0 <b>H</b>	<= 2.7	
3 Ethylmalonate	10.5	<= 12.0	

**Carbohydrate Metabolism**

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

4 Pyruvate	1.8	<= 2.8	
5 Lactate	2.6	2.0 - 11.0	
6 a-Hydroxybutyrate	7.2	<= 11.0	
7 beta-Hydroxybutyrate	3.8	<= 4.5	

**Energy Production (Citric Acid Cycle)**

(B comp., Q10, Amino acids, Mg)

8 Citrate	900 <b>H</b>	175 - 850	
9 Cis-Aconitate	69	50 - 118	
10 Isocitrate	50	40 - 100	
11 a-Ketoglutarate	25.0	2.0 - 30.0	
12 Succinate	15.0	2.0 - 21.0	
13 Fumarate	3.0 <b>H</b>	<= 1.0	
14 Malate	2.0 <b>H</b>	<= 1.4	
15 Hydroxymethylglutarate	3.6	2.0 - 8.2	

**B-Complex Vitamin Markers**

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

16 a-Ketoisovalerate	0.3	<= 0.8	
17 a-Ketoisocaproate	0.2	<= 0.5	
18 a-Keto-beta-Methylvalerate	0.7	<= 1.4	
19 Xanthurenate	0.4	<= 1.0	
20 beta-Hydroxyisovalerate	15.0 <b>H</b>	<= 11.0	

**Methylation Cofactor Markers**

(B12, Folate)

21 Methylmalonate	2.0	<= 4.8	
22 Formiminoglutamate	0.10	<= 0.16	

**CELL REGULATION MARKERS**

Results Reference Limits

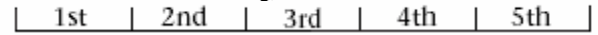
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Neurotransmitter Metabolism Markers

(Tyrosine, Tryptophan, B6, antioxidants)

23	Vanilmandelate	6.0	<b>H</b>	0.8 - 5.8	
24	Homovanillate	7.0	<b>H</b>	1.0 - 6.5	
25	5-Hydroxyindoleacetate	8.0	<b>H</b>	1.5 - 7.6	
26	Kynurenate	3.0		<= 4.0	
27	Quinolate	2.0		<= 3.5	

Oxidative Damage and Antioxidant Markers

(Vitamin C and other antioxidants)

28	p-Hydroxyphenyllactate	0.50		<= 0.73	
29	8-Hydroxy-2-deoxyguanosine	0.07		<= 0.11	

TOXICANTS AND DETOXIFICATION

Detoxification Indicators

(Arg, NAC, Met, Mg and antioxidants)

30	2-Methylhippurate	0.500	<b>H</b>	<= 0.074	
31	Orotate	0.6		<= 1.1	
32	Glucarate	140		<= 149	
33	Pyroglutamate	9.0		<= 16.0	
34	Sulfate	300		=> 180	

Intestinal Dysbiosis - Bacterial

(Gly, Gln, Probiotics, & Antibiotics)

35	Benzoate	5.60	<b>H</b>	<= 5.10	
36	Hippurate	285	<b>H</b>	<= 280	
37	Phenylacetate	0.10		<= 0.14	
38	Phenylpropionate	0.10	<b>H</b>	<= 0.07	
39	p-Hydroxybenzoate	1.5	<b>H</b>	<= 1.1	
40	p-Hydroxyphenylacetate	35		<= 45	
41	Indican	80		<= 86	
42	Tricarballylate	2.0	<b>H</b>	<= 1.3	

Intestinal Dysbiosis - L. acidophilus

(Antibiotics)

43	D-Lactate	1.6		<= 1.9	
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Intestinal Dysbiosis - Clostridial

(Sacro B)

44	Dihydroxyphenylpropionate	0.5		<= 0.8	
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Intestinal Dysbiosis - Yeast/Fungal

(Antifungals)

45	Tartarate	> 500.00	<b>H</b>	<= 11.0	
46	Citramalate	5.0		<= 6.0	

Creatinine = 100 mg/dl

## Your Supplement Recommendation Summary

With knowledge of a patient's full medical history and concerns, the Organix Profile laboratory results may be used to help create an individually optimized nutritional support program. Based strictly on the results from this test, the summary table below shows estimates of nutrient doses that may help to normalize nutrient-dependent metabolic functions. All amounts are adult doses that should be reduced for children according to body weight.

### Vitamins and Minerals-Daily Dose Estimates

Nutrients listed in this section are normally contained in a multi vitamin preparation. "Base" amounts may be used for insurance of health even when no abnormalities are found.

	Base*	Estimate from Abnormality
<b>Thiamin (B1)</b>	0-5 mg	
<b>Riboflavin (B2)</b>	0-5 mg	
<b>Niacin (B3)</b>	0-20 mg	
<b>Pantothenic Acid (B5)</b>	0-20 mg	
<b>Pyridoxine (B6)</b>	0-10 mg	
<b>Vitamin B12</b>	0-100 mcg	
<b>Folic Acid</b>	0-100 mcg	
<b>Biotin</b>		400-1000 mcg
<b>Lipoic Acid</b>	0-20 mg	
<b>Vitamin C</b>	0-500 mg	
<b>Vitamin E</b>	0-300 IU	
<b>Calcium</b>	0-250 mg	
<b>Magnesium</b>	0-150 mg	
<b>Chromium</b>	0-100 mcg	
<b>Vanadium</b>	0-100 mcg	

\* There were no abnormal findings to indicate special need for nutrients that appear in this column.

### Other Indicated Nutrients

Various conditionally essential nutrients and other potentially beneficial interventions appear in this section only if relevant abnormalities are present.

	Estimate from Abnormality
<b>Arginine</b>	250-500 mg
<b>Glycine</b>	3000-4000 mg
<b>Coenzyme Q10</b>	30-60 mg
<b>5-Hydroxytryptophan</b>	50-200 mg
<b>Antifungals</b>	As Needed
<b>Potential to Benefit from Probiotics</b>	Moderate

· These guidelines are intended as a starting point for the clinician who requested the test and are based only on the laboratory results included in this report. Final recommendations should be implemented by the clinician with consideration of medical history and current clinical observations.

· These tests are not intended for the diagnosis of specific disorders.