分析レポートのサンプル

Metametrix
Clinical Laboratory
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Duluth, GA 30096
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受託検体識別情報

Ordering Physician:

Metametrix

3425 Corporate Way
Duluth, GA 30096

Accession Number:	**A0907160003**
Reference Number:	
Patient:	Sample Report
Age: 47	*Sex:* Female
Date of Birth:	02/05/1962
Date Collected:	7/15/09
Date Received:	7/16/09
Report Date:	7/16/09
Telephone:	(770) 446-4583
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Reprinted:	9/4/09
Comment:	

分析結果のサマリー

0091 Organix™ Comprehensive Profile

Methodology: LC/Tandem Mass Spectroscopy, Colorimetric

Summary of abnormal results:

	分析結果 Findings	必要な栄養素 Intervention Options	関連する代謝回路 Common Metabolic Association
脂肪酸代謝 Fatty Acid Metabolism			
Adipate	High	Carnitine, B2	Fatty acid oxidation
Suberate	Very High	Carnitine, B2	Fatty acid oxidation
炭水化物代謝 Carbohydrate Metabolism			
No Abnormality Found			
エネルギー産生マーカー Energy Production Markers			
Succinate	High	CoQ10	ATP production
Fumarate	High	CoQ10	ATP production
Malate	High	CoQ10	ATP production
ビタミンB群マーカー B-Complex Vitamin Markers			
Xanthurenate	High	B6	Impaired Tryptophan metabolism
メチル化補因子マーカー Methylation Cofactor Markers			
No Abnormality Found			
神経伝達物質代謝マーカー Neurotransmitter Metabolism Markers			
5-Hydroxyindoleacetate	Low	5-HTP	Serotonin turnover inhibition
酸化ストレス・抗酸化マーカー Oxidative Damage and Antioxidant Markers			
8-Hydroxy-2-deoxyguanosine	High	Vitamin C, Vitamin E	DNA oxidation product
解毒マーカー Detoxification Indicators			
2-Methylhippurate	High	Glycine	Xylene exposure
細菌全般 Bacterial - General			
Hippurate	Very High	Glycine	Hepatic Phase II conjugation
p-Hydroxyphenylacetate	Very High	Probiotics	Intestinal Bacterial Overgrowth
L–アシドフィルス ／ 一般細菌 L. acidophilus / general bacteria			
No Abnormality Found			
クロストリジウム属 Clostridial Species			
No Abnormality Found			
酵母・真菌 Yeast/Fungal			
D-Arabinitol	High	Antifungals	Yeast Overgrowth

分 析 結 果 の 詳 細

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Robert David PhD

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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

Percentile Ranking by Quintile: 1st | 2nd | 3rd | 4th | 5th (20% | 40% | 60% | 80%)

95% Reference Interval

NUTRIENT MARKERS

H :異常高値
L :異常低値

	Fatty Acid Metabolism (Carnitine & B2)	Results ug/mg creatinine		95% Reference Interval
1	Adipate	5.3	H	<= 8.3
2	Suberate	10.2	H	<= 3.2
3	Ethylmalonate	0.9		<= 6.3
	Carbohydrate Metabolism (B1, B3, Cr, Lipoic Acid, CoQ10)			
4	Pyruvate	2.4		<= 6.4
5	L-Lactate	5		3 - 46
6	-Hydroxybutyrate	<DL*		<= 9.9
	Energy Production (Citric Acid Cycle) (B comp., CoQ10, Amino acids, Mg)			
7	Citrate	366		56 - 987
8	Cis-Aconitate	50		18 - 78
9	Isocitrate	78		39 - 143
10	a-Ketoglutarate	16.0		<= 35.0
11	Succinate	11.8	H	<= 20.9
12	Fumarate	1.30	H	<= 1.35
13	Malate	1.5	H	<= 3.1
14	Hydroxymethylglutarate	2.7		<= 5.1

DL:検出限界

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Supplement Recommendation Summary

With knowledge of a patient's full medical history and concerns, the Organix Comprehensive Profile laboratory results may be used to help healthcare professionals 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 adjusted for children according to body weight and indication of need.

Customized Vitamin and Mineral Formulation

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.
Customized preparations of the multi-vitamin/mineral formula shown below may be produced by compounding pharmacies. If such a product is made according to these specifications each dose should be thoroughly stirred into a few ounces of water or diluted fruit juice to allow bubbles to form and avoid stomach bloating effects.

	Daily Amounts	
Nutrient	**Base**	**Units Added**
Vitamin A*	2500 IU	
B-Carotene*	5500 IU	
Vitamin C	250 mg	2000 mg
Vitamin D*	400 IU	
Vitamin E	100 IU	400 IU
Vitamin K*	100 mcg	
Thiamin (B1)	5 mg	
Riboflavin (B2)	5 mg	10 mg
Niacin (B3)	25 mg	
Pyridoxine (B6)	15 mg	80 mg
Folic Acid	400 mcg	
Vitamin B12	50 mcg	
Biotin	100 mcg	
Pantothenic Acid (B5)	25 mg	
Calcium	500 mg	
Iodine*	75 mcg	
Magnesium	250 mg	
Zinc*	15 mg	
Selenium	100 mcg	100 mcg
Copper	1 mg	
Manganese	5 mg	
Chromium	200 mcg	
Molybdenum*	25 mcg	
Boron*	1 mg	
Citric Acid*	200 mg	
Malic Acid*	200 mg	

* Nutrients with an asterisk are not modified based on the Organix test results. MM02

※ 米国における必要摂取量を目安に算出