

Organic acids testing can accurately identify conditions associated with genetic disorders, nutrient deficiencies, intestinal dysbiosis, and toxicity from diet and prescription drugs.

Microbial Markers				
Yeast and Fungal Markers		Bacterial Markers		Clostridia Bacterial Markers
Citramalic Acid 5-Hydroxymethyl-furoic Acid 3-Oxoglutaric Acid Furan-2,5-dicarboxylic Acid Furancarboxylglycine Tartaric Acid Arabinose Carboxycitric Acid Tricarballic Acid		Hippuric Acid 2-Hydroxyphenylacetic Acid 4-Hydroxybenzoic Acid 4-Hydroxyhippuric Acid DHPPA		4-Hydroxyphenylacetic Acid HPPHA 4-Cresol Indoleacetic Acid
Detoxification & Oxidative Stress Markers				
Glutathione		Ammonia Excess		Toxins
Pyroglutamic Acid 2-Hydroxybutyric Acid N-acetylcysteine Acid		Orotic Acid		Mandelic Acid
Energy Metabolism & Mitochondrial Function Markers				
Krebs Cycle Metabolites	Glycolysis Markers	Ketone and Fatty Acid Oxidation	Mitochondrial Markers	
Succinic Acid Fumaric Acid Malic Acid 2-Oxoglutaric Acid Cis-aconitic Acid Citric Acid	Lactic Acid Pyruvic Acid	3-Hydroxybutyric Acid Acetoacetic Acid 4-Hydroxybutyric Acid Adipic Acid Suberic Acid Sebacic Acid Ethylmalonic Acid Methylsuccinic Acid	3-Methylglutaric Acid 3-Methylglutaconic Acid 3-Hydroxyglutaric Acid	
Amino Acid Metabolites		Nutrition & Oxalate Markers		
2-Hydroxyisovaleric Acid 3-Methyl-2-oxovaleric Acid 2-Hydroxyisocaproic Acid 2-Oxoisocaproic Acid 2-Oxo-4-methylbutyric Acid Phenyllactic Acid		Phenylpyruvic Acid Homogentisic Acid 4-Hydroxyphenyllactic Acid N-Acetylaspartic Acid Malonic Acid 2-oxoisovaleric Acid	3-Hydroxybutyric Acid Acetoacetic Acid 4-Hydroxybutyric Acid Adipic Acid Suberic Acid Sebacic Acid Ethylmalonic Acid Methylsuccinic Acid 3-Hydroxy-3-methylglutaric Acid	Pyrimidine Metabolites Uracil Thymine
Neurotransmitters Markers				Aspartame, Salicylates, or GI bacteria 2-Hydroxyhippuric Acid
Catecholamine Metabolites & Ratios	Serotonin Metabolites & Ratios			Mineral Metabolites Phosphoric Acid
DOPAC HVA/VMA Ratio HVA HVA/DOPAC Ratio VMA	5-HIAA Quinolinic Acid Kynurenic Quinolinic Acid/ Acid 5-HIAA Ratio			

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