

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	
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	
Clostridia Bacterial Markers 4-Hydroxyphenylacetic Acid HPPHA 4-Cresol Indoleacetic Acid			
Detoxification & Oxidative Stress Markers			
Glutathione		Ammonia Excess	
Pyroglutamic Acid 2-Hydroxybutyric Acid N-acetylcysteine Acid		Orotic Acid	
Toxins 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		3-Hydroxy-3-methylglutaric Acid Ascorbic acid (Vitamin C) Glutaric acid (Vitamin B2) Methylcitric acid (Biotin) Methylmalonic acid (Vitamin B12) Pantothenic acid (Vitamin B5) Pyridoxic acid (Vitamin B6) Phosphoric acid Glyceric acid Glycolic acid Oxalic acid	
Neurotransmitters Markers		Pyrimidine Metabolites Thymine Uracil	
Catecholamine Metabolites & Ratios	Serotonin Metabolites & Ratios	Salicylates 2-Hydroxyhippuric 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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