

Organic Acids Profile

Unique Patient Biochemistry

Vitamin deficiencies and metabolic imbalances may produce a range of health issues, including fatigue, mood changes, digestive problems, and more. Our Organic Acids Profile measures 36 organic acids markers to create a unique patient biochemistry profile that reflects how well the body is obtaining and utilizing nutrients. A customized diet and lifestyle plan can then be established to address specific nutritional needs.

The US BioTek OAP Advantage

COLLECTION METHOD

US BioTek utilizes dried urine cards taken at a first-morning void to make collection simple and convenient for patients.

EVIDENCE-BASED

The interpretation guide breaks down each panel marker into actionable sets based on 3rd party peer-reviewed research.

STREAMLINED MARKERS

The Organic Acids Panel utilizes a streamlined list of markers to provide a solid functional overview of general health and mitochondrial function.

Analytes Tested

36 Organic Acids are analyzed to indicate key markets of metabolic function

Glycolysis Metabolites

- Pyruvate
- Lactate

Citric Acid Cycle Metabolites

- Citrate
- Cis-Aconitate
- Isocitrate
- Alpha-Ketoglutarate
- Succinate
- Fumarate
- Malate

Fatty Acid Oxidation

- Adipate
- Suberate
- Ethylmalonate
- Methylsuccinate

Ketone Metabolites

- Beta-Hydroxybutyrate

Markers of Detoxification

- Para-Hydroxyphenyllactate
- Orotate
- Alpha-Hydroxybutyrate
- Pyroglutamate
- Benzoate
- Hippurate

Markers of Bacterial Metabolism

- Para-Hydroxybenzoate
- Para-Hydroxyphenylacetate
- 2-Hydroxyphenylacetate
- 3-Indoleacetate
- Tricarballylate

Markers for Cofactor Need

- Alpha-Ketoisovalerate
- Alpha-Ketoisocaproate
- Alpha-Keto-Beta-Methylvalerate
- Beta-Hydroxyisovalerate
- Methylmalonate
- Kynurenate
- Hydroxymethylglutarate

Markers of Neurotransmitter

Metabolism

- Vanilmandelate
- Homovanillate
- 5-Hydroxyindoleacetate
- Quinolinate