



ORGANIC ACIDS – METABOLOMIC MAPPING - Test code 4041



Turnaround Time: Batch testing



Specimen Type: Spot Urine

Description

The Organic Acids Test (OAT) is a comprehensive analysis used to assess metabolic function and identify potential imbalances in the body. This test measures the levels of various organic acids in urine, which can provide valuable insights into cellular metabolism, nutrient deficiencies and gut health (Imperlini et al., 2016).

Organic acids are byproducts of metabolism and their presence in urine can indicate how well the body is processing nutrients. Elevated levels of certain organic acids may signal issues such as impaired mitochondrial function, dysbiosis in the gut microbiome or the presence of specific metabolic disorders (Imperlini et al., 2016).

The Organic Acid test can highlight potential deficiencies in B vitamins, particularly B6, B12 and folate, as these nutrients play crucial roles in metabolic pathways (Imperlini et al., 2016). By evaluating these markers, healthcare providers can better understand an individual's health status and tailor interventions to improve metabolic function and overall wellbeing.

The Organic Acids Test is especially beneficial for individuals experiencing unexplained symptoms, fatigue or chronic health issues, as it offers a non-invasive way to gain insight into metabolic health.

Whats included?

- 63 Organic Acid metabolites of Fatty acid metabolism, Carbohydrate metabolism, Energy production (citric acid cycle), B-complex vitamin markers, Methylation cofactor markers, Neurotransmitter metabolism markers, Oxidative damage and Antioxidant markers, Detoxification markers, Dysbiosis markers, Nutritional information.

Conditions and Symptoms

- Low energy and fatigue
- Digestive issues
- Anxiety and Depression
- Brain fog and poor memory
- Muscle weakness or fibromyalgia
- Rashes, eczema or acne
- Food and chemical sensitivities

Complementary Testing

- Organic Acid- Environmental Pollutant Panel (Test code 4014)
- Advanced Microbiome Mapping (Test code 2211)

Accreditations Include:

- NATA ISO 15189 – Requirements for Quality and Competence in Medical Laboratories*
- CLIA – Clinical Laboratories Improvement Amendments*



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*See NATA and CLIA website for further details