



## ORGANIC ACIDS – METABOLIC & ENVIRONMENTAL POLLUTANT PANEL - Test code 4017



Turnaround Time: Batch testing



Specimen Type: Spot Urine

## Description

The Organic Acids- Metabolic and Environmental Pollutant test evaluates biomarkers from various metabolic pathways, providing a broad overview of several key systems in the body. This test is particularly useful for identifying nutritional deficiencies and gaining insights into the body's cellular metabolic functions. Organic acids are metabolic by-products produced during processes such as energy production, detoxification, neurotransmitter breakdown and intestinal microbial activity (Imperlini et al., 2016). By analysing these organic acids, the test can help detect imbalances or dysfunctions in these pathways caused by various factors, such as a nutrient deficiency, an inherited enzyme defect, toxic buildup or the effect of certain medications (Imperlini et al., 2016).

Additionally, increased exposure to environmental pollutants increases the risk for chronic health issues and can interfere with normal energy production or detoxification pathways (Wang et al., 2021). By identifying potential environmental pollutants this test offers an invaluable resource for understanding and managing health risks (Wang et al., 2021).

The Organic Acid Metabolic and Environmental Pollutant Panel is a comprehensive assessment that covers a wide range of organic acid profiles and provides an extensive evaluation of the body's metabolic systems, offering a detailed analysis of metabolic function and exposure to environmental pollutants.

## Whats included?

- Organic acids for Bacterial dysbiosis, Yeast & fungal dysbiosis, Citric acid cycle metabolites, Ketone/fatty acid metabolites, Cofactor sufficiency markers, Neurotransmitter metabolites and Environmental Pollutants

## Conditions and Symptoms

- Mental health
- Methylation issues
- Exposure to environmental pollutants
- Digestive symptoms
- Fatigue and mood disorders
- Neurodegenerative conditions
- Hormonal imbalances
- Cardiovascular diseases

## Complementary Testing

- Complete Microbiome Mapping (Test code 2206)
- Advanced Neurotransmitter Profile (Test code 4036)

## Accreditations Include:

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



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scan the QR code



\*See NATA and CLIA website for further details