

# Organic Acids

## Optimize Your Health with Insights into Metabolism and Detox

Experiencing chronic fatigue, brain fog, mood swings, bloating, or unexplained weakness? These symptoms may be tied to underlying metabolic imbalances or nutrient deficiencies that often go undetected. The Organic Acids Panel offers a comprehensive evaluation of metabolic markers related to energy production, gut health, neurotransmitter function, and detoxification.

By uncovering these hidden imbalances, the test empowers you and your healthcare provider to implement targeted strategies that boost energy, reduce inflammation, and support long-term wellness.

With clinically validated insights, the Organic Acids Panel serves as a powerful tool for assessing metabolism, nutrient status, and detox pathways—helping to reveal the root causes behind chronic symptoms.

## How It Works

The Organic Acids Panel is a comprehensive urine-based assessment that offers a detailed view of your body's metabolic health. By analyzing 78 key markers, it identifies imbalances related to energy production, nutrient status, detoxification, oxidative stress, and microbial overgrowth. This test screens for mitochondrial dysfunction and neurotransmitter metabolites while uncovering nutrient deficiencies and gut-related imbalances. With insights across neurological, gastrointestinal, detoxification, and energy pathways, the Organic Acids Panel supports root-cause analysis and guides personalized wellness strategies.

## Why Choose the Organic Acids Panel?

- **Comprehensive Metabolic & Gut Health Insights:** The Organic Acids Test measures key markers related to energy production, mitochondrial function, neurotransmitter balance, and gut health, providing a holistic view of your metabolic and digestive function.
- **Detect Metabolic Imbalances Early:** The Organic Acids Test helps identify early signs of mitochondrial dysfunction, nutrient deficiencies, and microbial imbalances, allowing for proactive health management before symptoms become chronic.
- **Take Charge of Your Health:** With insights into your body's metabolism and gut health, you can make informed decisions about diet, supplementation, and lifestyle changes to optimize energy levels and reduce inflammation.



## Key Markers Include:

- **Pyruvic Acid:** Indicates mitochondrial energy production efficiency and glucose metabolism.
- **DHPPA:** Reflects gut bacterial metabolism and potential dysbiosis, linked to inflammatory conditions.
- **Dopamine Metabolites:** Assess neurotransmitter balance, stress response, and mental health support.
- **Glutathione Markers:** Measure detoxification capacity and oxidative stress resilience.
- **Vitamin B12 Metabolites:** Evaluate methylation efficiency and neurological function.
- **Succinic Acid:** Indicates Krebs cycle function and mitochondrial health for energy optimization.

The Organic Acids Panel evaluates metabolic byproducts related to energy production, gut microbiome, detoxification, and neurotransmitter function. Understanding organic acid markers allows for targeted nutritional and lifestyle interventions, promoting optimized metabolic health.



## Who Should Take This Test?

- **Having Difficulty Concentrating, Fatigue or Brain Fog?** Difficulty concentrating, persistent fatigue, or brain fog may signal underlying metabolic or nutrient imbalances—insights the Organic Acids Panel can help uncover for more targeted support.
- **Experiencing Poor Sleep Quality of Insomnia?** Struggling with sleep issues may be linked to imbalances in neurotransmitters or metabolism. The Organic Acids Panel can help identify for more effective, personalized solutions.
- **Struggling with Your Mood?** Mood fluctuations may be tied to disruptions in neurotransmitter pathways or nutrient deficiencies.
- **Unsure About Unexplained Muscle Weakness?** Unexplained muscle weakness may stem from mitochondrial dysfunction or nutrient deficiencies.
- **Have a History of Exposure of Environmental Toxins?** A history of environmental toxin exposure may impact your detox pathways and overall metabolic health.

## Take the First Step Towards Better Health

If you're experiencing chronic fatigue, brain fog, mood swings, bloating, or unexplained weakness, underlying metabolic imbalances could be to blame. The Organic Acids Panel provides clear insights and personalized guidance to help restore internal balance and support overall wellness. Talk to your healthcare provider today to begin uncovering your body's unique nutrient and metabolic needs.

### Limitations

Please note the information provided by Vibrant Wellness is intended solely for research and informational purposes to help inform lifestyle choices aimed at potential risk mitigation. The information is not intended to be used by the patient for any diagnostic purpose and is not a substitute for medical advice by a healthcare practitioner. Please consult a licensed healthcare practitioner for any questions regarding diagnosis, prevention, or treatment of any disease or health assessment.

The test is not available in NY State.

### Regulatory Disclaimer

Please note the information provided by Vibrant Wellness is intended solely for research and informational purposes to help inform lifestyle choices aimed at potential risk mitigation. The tests were developed, and their performance characteristics were determined by Vibrant America and Vibrant Genomics. They have not been cleared or approved by US Food and Drug Administration. The laboratory is certified under the Clinical Laboratory Improvements Amendments (CLIA) as qualified to perform high complexity testing. The laboratory is also in compliance with College of American Pathologists (CAP) regulations and New York State Department of Health (NYSDOH) regulations.