Organic Acid Profile, Quantitative and Qualitative, Urine

**Test Code:** OA  
**Turnaround time:** 7 days (STAT: 1 day)  
**CPT Codes:** 82570 x1, 83918 x1

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**Condition Description**

Symptoms of lethargy, coma, hypotonia, seizures, ataxia, vomiting, failure to thrive, metabolic acidosis, etc., may suggest abnormalities of organic acid metabolism. Qualitative and quantitative determination of organic acids is performed by gas chromatography/mass spectrometry. This includes lactic and pyruvic acids.

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**Indications**

This test is indicated for:

- Infants with a positive newborn screening result indicative of a metabolic disorder.
- Evaluation of patients with signs of a possible metabolic condition, such as lethargy, vomiting, and failure to thrive.
- Monitoring for individuals diagnosed with a metabolic condition.

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**Methodology**

Qualitative and quantitative determination performed by gas chromatography/mass spectrometry.

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**Detection**

Test results can be influenced by the age and eating status of the patient. A second test (amino acids analysis/acylcarnitine profile) is typically required to confirm a diagnosis.

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**Reference Range**

Click [here](#) for reference range.

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**Specimen Requirements**

*Submit only 1 of the following specimen types*

**Type: Urine**

**Specimen Requirements:**  
Clean container without additives  
2-5 ml  
Freeze sample. Fasting or first void sample is preferable.

**Specimen Collection and Shipping:**  
Ship frozen sample on dry ice with overnight delivery.

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**Special Instructions**

Please indicate any medications or dietary changes on the test requisition form.

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**Related Tests**

[Amino Acids Quantitative Analysis (AA)](#) and [Acylcarnitine Profile (AR) - Plasma](#) are used in the diagnosis and evaluation of patients with metabolic conditions.