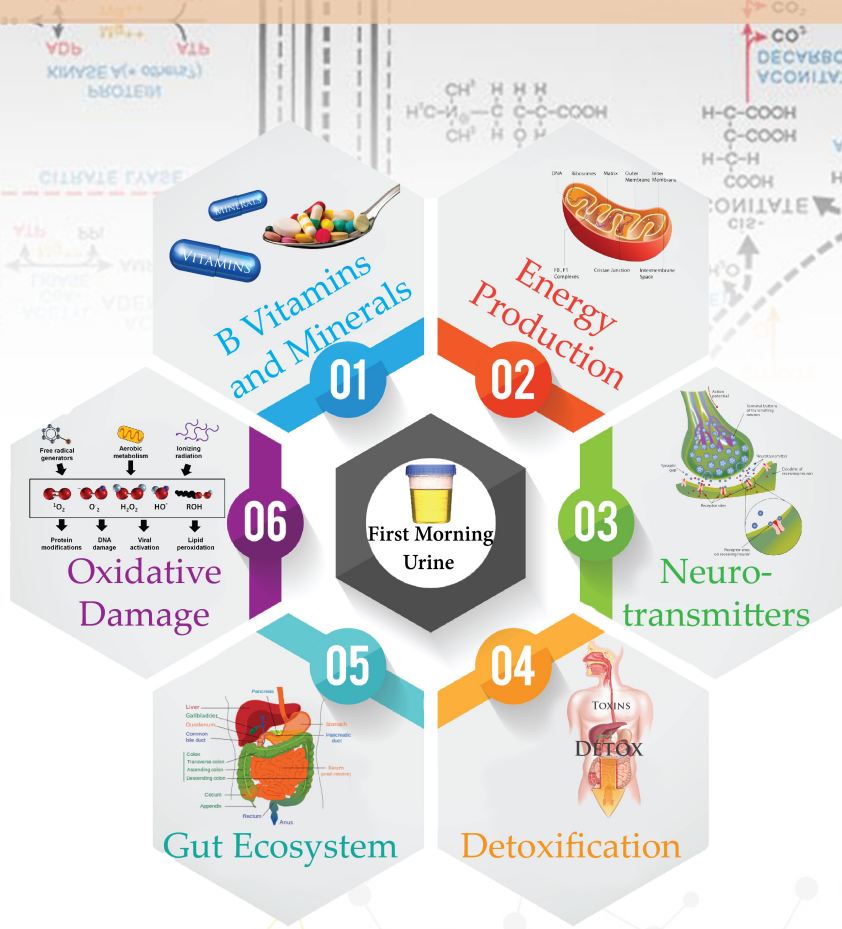


URINE ORGANIC PROFILE



The **Urine Organic Profile** is a powerful test determining more than 50 organic acids in urine and focus on metabolic intermediates produced in pathways of central energy production, detoxification, neurotransmitter breakdown or intestinal microbial activity.

Marked accumulation of specific organic acids detected in urine often signals a metabolic inhibition or block. The metabolic block may be due to a nutrient deficiency, an inherited enzyme deficit, toxic build-up or drug effect.

Several of the biomarkers are markers of intestinal bacterial or yeast overgrowth.

This Urine Organic Profile determines;

- Functional vitamins and minerals status; B vitamin
- Central energy pathway
- Fatty acids metabolism
- Carbohydrate metabolism
- Amino acids metabolism
- Neurotransmitter metabolites
- Flavonoids/Antioxidants
- Oxidative stress and antioxidant need
- Toxic exposure and detoxification capacity
- Markers for bacterial and yeasts overgrowth (Dysbiosis)



Sample Report

Technique: Gas Chromatography - Mass Spectrometry (GC/MS)

Test Name	Code	Specimen	TAT
Urine Organic Profile	01004	First Morning Urine	4-7 days

References;

1. Grisanti R., Weatherby D., Insider's Guide – Interpretation and treatment: Organic acid., Functional Medicine Training Program. 2008: 1-18.
2. Richard S. Lord., J. Alexander Bralley., Clinical Applications of Urinary Organic Acids. Part 1: Detoxification Markers. Alternative Medicine Review. 2008;13(3):201-215.
3. Richard S. Lord., J. Alexander Bralley., Clinical Applications of Urinary Organic Acids. Part 2. Dysbiosis Markers. Alternative Medicine Review. 2008;13(4):292-306.