



The Great Plains Laboratory

GPL-3 GPL-4

GPL-3 Panel

Comprehensive Analysis

This innovative and valuable panel by The Great Plains Laboratory (GPL) provides an excellent and accurate overview of a patient's overall health including:

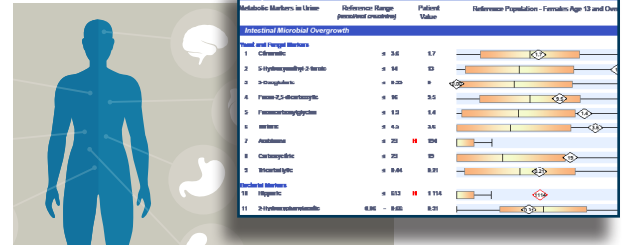
- Gut health, vitamin levels, and mitochondrial function
- Neurotransmitters
- Oxidative stress
- Oxalates
- Non-metal toxic chemical exposure

This extensive profile covers more than 200 biomarkers, each carefully explained and addressed in the Organic Acids Test with 76 markers, IgG Food MAP with 190 markers plus Candida and Yeast, and Metals Hair Test with 39 markers. Testing for organic acids, IgG food allergies, and metals is crucial to detect any malfunctioning within the body. *This panel is available in serum (RBC) or dried blood spot (DBS) for the IgG Food MAP portion.*

GPL-3 Panel helps practitioners treating patients with the following conditions:

- Autism Spectrum Disorder
- Bipolar Disorder / Schizophrenia / Depression
- Chronic Fatigue / Fibromyalgia
- Mitochondrial Disorders
- Multiple Sclerosis / Neurological Disorders
- Eating Disorders
- Irritable Bowel Syndrome / Digestive Disorders
- Metal Toxicity
- And many more

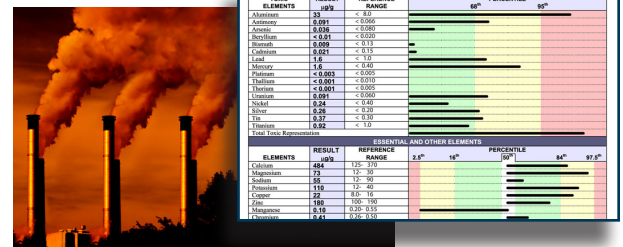
Organic Acids



IgG Food MAP



Metals Hair Test



Specimen Requirements

Urine: 10 mL of first morning urine before food or drink is suggested. Patient should avoid apples, grapes (including raisins), pears, cranberries and their juices 24 hours prior to specimen collection.

Dried Blood Spot (DBS): Five full circles of dried blood on the protein saver card is required.

Hair: 0.25 grams (approximately 1 tablespoon) of hair is the absolute minimum. 1 gram is preferred.

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- Gut health, vitamin levels, and mitochondrial function
- Neurotransmitters
- Oxidative stress
- Oxalates
- Non-metal toxic chemical exposure

This extensive profile covers more than 150 biomarkers, each carefully explained and addressed in the Organic Acids Test with 76 markers, IgG Food MAP with 190 markers plus Candida and Yeast, Metals Hair Test with 39 markers, and the Phospholipase A2 marker.

Additional Marker for Inflammation – PLA2

The comprehensive GPL-4 panel helps discover specific, personalized treatment options for the most complex patient cases. This panel includes all three tests included in the GPL-3 panel, as well as our Phospholipase A2 Activity Test (PLA2). PLA2 is an enzyme that is elevated in a wide range of inflammation-related disorders and is considered a good marker for increased risk of developing or worsening of inflammatory conditions. PLA2 levels can easily be sampled along with the urine Organic Acids Test (OAT), offering a powerful new combination of clinical insights.

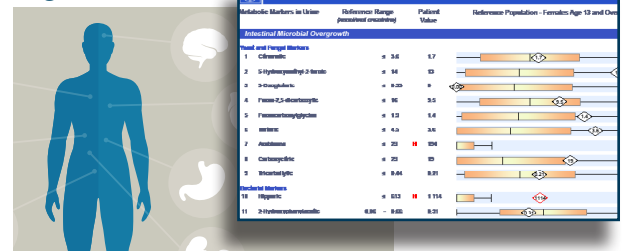
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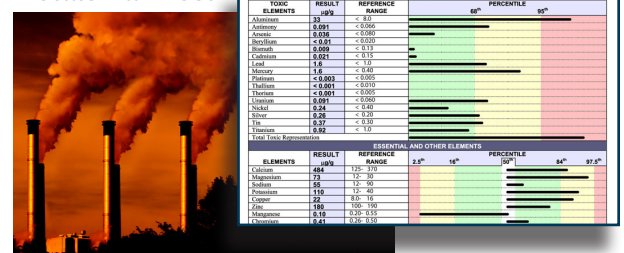
Organic Acids



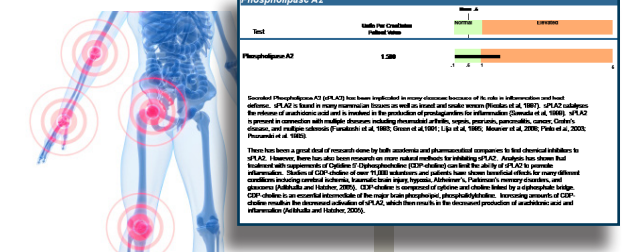
IgG Food MAP



Metals Hair Test



PLA2 Test



Why Choose the GPL-3 or GPL-4 Panel?

- Evaluate energy production
- Assess central nervous system function
- Evaluate integrity of intestinal wall
- Reveal high levels of GI yeast and bacteria
- Detect nutritional and antioxidant deficiencies
- Determine problems in fatty acid metabolism
- Identify excess oxalate
- Assess non-metal toxic chemical exposure

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