The NutraEval Test from Genova at Evergreen

The Need for Nutritional Testing:

Many patients experience chronic illnesses because of nutritional deficiencies. NutrEval® offers nutritional recommendations based on a patient’s individual test results. Clinicians commonly use such testing to determine the nutritional deficiencies that are at the root of chronic conditions such as:
- Mood disorder
- Depression
- Anxiety
- Sleep disturbance
- Fibromyalgia or Fatigue
- Optimized health and sports fitness

An Advanced Diagnostic Tool

Genova designed the NutrEval® profile to give physicians a better understanding of patients’ nutritional deficiencies. By combining testing in 5 key areas of core nutrients, physicians are offered a depth of insight into a patient’s overall nutritional status unrivaled in the laboratory industry. Genova diagnostics has created an enhanced report that synthesizes the results of more than 100 individual biomarkers into one, easy-to-interpret overview, as well as a personalized patient supplementation schedule.>

The NutrEval® Profile includes:

Metabolic Analysis Profile
Metabolic Analysis assessment provides information on 45 key organic acids. These biomarkers are grouped into easy-to-understand categories, and provide insight for functional support in the areas of: malabsorption & dysbiosis; cellular energy & mitochondrial metabolism; neurotransmitter metabolism; vitamin deficiencies; and toxin exposure & detoxification need.

Amino Acids Analysis

Amino Acids analysis features either plasma (37 total) or urine (41 total) amino acids. This assesses nutritionally essential and non-essential amino acids, as well as intermediary metabolites that augment an understanding of B vitamin need, and need for support of protein digestion & absorption.

Essential & Metabolic Fatty Acids Analysis

Essential and Metabolic Fatty Acids Analysis provides a high level overview of the balance of various families of fatty acids in relation to each other: Omega 3, 6 and 9 Fatty Acids; Saturated Fatty Acids; and Monounsaturated Omega 7 and Trans Fats. It also provides key ratios for understanding cardiovascular risk, including the Omega 3 Index.

Elemental Analysis, Packed Erythrocytes

Elemental Profiles provide information in two categories: Nutrient Elements which evaluates intracellular nutrient status, and Toxic Elements which evaluate short-term toxic element exposure.
**Oxidative Stress**

Oxidative Stress biomarkers highlight the body’s current state of oxidative stress and reserve capacity. Markers of oxidative injury assess cell membrane (lipid peroxides) and DNA (8-hydroxydeguanosine/8-OHdG) damage, while direct measurement of glutathione and CoQ10 provide insight into antioxidant reserve available to counter free-radical impact. Additional markers are available in our Oxidative Stress 2.0 profile.