



Genova NutrEval Profile

Unlike any other nutritional assessments, NutrEval® provides a framework of core nutrients in 5 key areas: Antioxidants, B Vitamins, Digestive Support, Essential Fatty Acids, and Minerals.

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.

SYMPTOMS & CHRONIC CONDITIONS RELATED TO NUTRITIONAL DEFICIENCIES

Mood disorders – anxiety, depression	Sleep disturbances
Fibromyalgia	Chronic Fatigue Syndrome
Fatigue	Optimised 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 unrivalled 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 and dysbiosis; cellular energy and mitochondrial metabolism; neurotransmitter metabolism; vitamin deficiencies; and toxin exposure and 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.

Genova NutrEval Profile (blood & urine) [4049]

- Organic Acids profile, Amino acids profile, 8OHdG, Fatty acid profile; Vit A, Vit C, Vit E, ALA, CoQ10, GSH, B1, B2, B3, B5, B6, B7, B9, B12; Mg, K, Zn, Cu, Se, Mn; Sb, Sn, As, Cd, Pb, Hg

Other similar tests available

- **Genova ION Profile (blood & urine) [4046]:** Organic Acids profile, Amino Acids profile, 8OHdG, Fatty acid profile, Homocysteine, CoQ10, Vit A, β -carotene, 25OH Vit D3 & Vit D2, α -tocopherol, γ -tocopherol, Mg, K, Zn, Cu, Se, Ca, Al, As, Cd, Pb, Hg
- **Genova CardioION Profile (blood & urine) [4047]:** Organic Acids profile, Amino Acids profile, 8OHdG, Fatty acid profile, Homocysteine, CoQ10, Vitamin A, β -carotene, 25OH Vit D3 & Vit D2, α -tocopherol, γ -tocopherol, Mg, K, Zn, Cu, Se, Ca, Al, As, Cd, Pb, Hg; Cholesterol, Triglycerides, HDL, LDL, ratios, Ferritin, Fibrinogen, hsCRP, Insulin, Testosterone, SHBG, FAI

How to order a test kit:

To order a test kit simply request the test name or test code on a NutriPATH request form and have the patient phone **NutriPATH Customer Service** on **1300 688 522**.

