

Matraxol Technology®

Matraxol Technology® - is a unique delivery technology of keto acid salts via a chemical equilibrium in the body metabolic pathways by multilayer delivery release mechanism in a variety of linear or biphasic profiles, for dietary supplement, nutritional supplement, food supplement, controlled release delivery systems, controlled sustained release implant and pharmaceutical preparations, proven to be safe and effective in the delivery, availability, modulation, transport and uptake of amino acids, helping amino acids as a conjugate cross the blood brain barrier, reducing cardiovascular risk factors, stimulating an increasing the body's production of anti-aging hormones, retarding of aging process and increasing nitric oxide production by endothelial cells.

A natural approach to stimulate anti-aging hormones, boost nitric oxide levels and reduce cardiovascular disease.

The natural Matraxol Technology® is a delivery technology which creates a constructive environment in your body and plays a valuable role in your overall health, **designed to maintain the proper function of the inner lining of your arteries (endothelium)** to ensure that blood flows freely through your vessels, **enhancing the entry of the amino acids as conjugates** into the brain to stimulate an increase the body's production of anti-aging hormones, retarding the aging process and **increasing nitric oxide production by endothelial cells** which signals blood vessels to expand, allowing greater amounts of oxygen, essential nutrients and other supplements to flow throughout the body and into the cells. In addition nitric oxide has functions in the brain in a variety of broad physiological processes, including control of cerebral blood flow, interneuronal communications, synaptic plasticity, memory formation, receptor functions, intracellular signal transmission, and release of neurotransmitters, working in conjunction with proper diet and regular exercise to an extent consistent with a reduced risk of arterial and related heart disease. **Everyone requires nitric oxide to carry out key physiological processes within the body.**

This breakthrough in the development of **Matraxol Technology®**, combining keto acid salts and standardized ingredient compounds by conjugation and/or complexation techniques, may prove to be the utmost amino acids delivery (vascular) protective supplement.

Health Benefits

- Helps lower the risk of cardiovascular disease.
- Reduces complications in people with artery diseases.
- Increases nitric oxide production by endothelial cells
 - Restoration of NO-mediated signaling pathways in atherosclerotic arteries
 - Modulation of L-arginine-NO pathway in systemic arterial hypertension
 - Prevention of the overproduction of NO through control of regulatory pathways
- Increases the body's production of anti-aging hormones
 - Retards of the aging process
- Helps protect against arterial blood clotting:
 - Inhibits abnormal platelet aggregation
 - Reduces the foam cell formation
 - Reduces proliferation of cell on the lining of the arteries
 - Improves blood flow
- Helps protect against arterial inflammatory factors:
 - Protectively affects and beneficially acts on vascular endothelium
 - Prevents early atherosclerotic lesion, foam-cell formation and thrombus formation
 - Protects against LDL oxidation
- Happens to be effective and safe in body builders and athletes.
- Helps to implement NO-base therapies against atherosclerosis.

- Restoration of NO-mediated signaling pathways in atherosclerotic arteries.
 - Protects against endothelial damage
 - Improves bioactivity of endothelial nitric oxide synthase (eNOS)
 - Reduces generation of reactive oxygen species and other free radicals
- Modulation of L-arginine-NO pathway in systemic arterial hypertension.
 - Improves transport of L-arginine into red blood cells and platelets
 - Increases basal nitric oxide synthase (NOS) activity
- Prevention of overproduction of NO through control of regulatory pathways
 - Protects against high NO-mediated disorders
 - Protectively affects and beneficially acts on inducible nuclear factors
 - Inhibits inducible nitric oxide synthase (iNOS) at different time points