



Stress Has Consequences!

Biotics Research Corporation is pleased to announce the launch of a new product that many of your patients will need and want!

MygranX™ is a revolutionary product providing effective, targeted support for those with specific nutritional needs.



BIOTICS RESEARCH CORPORATION

Utilizing "The Best of Science and Nature" to Create Superior Nutritional Supplements



800-231-5777

www.bioticsresearch.com

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MygranX™ *Bringing you "The Best of Science and Nature"*

Riboflavin is involved in the formation of flavin adenine dinucleotide (FAD) and flavin mononucleotide (FMN), both of which function in oxidation-reduction reactions, and act as coenzymes in the mitochondrial respiratory chain. It also functions in the redox cycle of glutathione, which participates in protecting against reactive oxygen species (ROS) such as hydroperoxides.

Butterbur (*Petastis hybridus*) has been demonstrated to reduce smooth muscle spasm. It likely acts through calcium channel regulation and inhibition of peptide leukotriene biosynthesis, influencing the inflammatory cascade. Note: the quality of Butterbur differs significantly from one supplier to the next, with varying quantities of petasins.

Feverfew (*Tanacetum parthenium*) possesses aperient, carminative and bitter properties. Active principles include sesquiterpene lactones including parthenolide, as well as flavonoids, glycosides and pinenes. Extracts have been shown to suppress prostaglandin production.

Coenzyme Q10 (emulsified for enhanced uptake and utilization) is a component of the electron transport chain. CoQ10 participates in aerobic cellular respiration, generating ATP, thereby functioning as a necessary component in cellular energy production, as well as functioning as an antioxidant. Magnetic resonance spectroscopy (MRS) studies suggest an impaired energy metabolism in the brain of migraine patients. A deficiency in CoQ10 results in insufficient transfer of protons across the inner mitochondrial membrane, affecting the generation of ATP and all ATP dependent metabolic processes. A defect of reduced nicotinamide adenine dinucleotide (NADH) dehydrogenase, citrate synthase, and cytochrome-c-oxidase platelet activities in migraine patients has been noted. Improvements in muscle and energy metabolism has been demonstrated with CoQ10 administration in patients with mitochondrial cytopathy.

Phytolens® (a registered trademark of Biotics Research Corp.) is a patented extract of *Lens esculenta*. Phytolens® possesses numerous antioxidant characteristics, including the ability to quench organic free radicals and superoxide anions. It has been shown to prevent the oxidation of ascorbic acid in solution, and prevent the oxidation of linoleic acid (in vitro) more effectively than alpha tocopherol. Lipopolysaccharide (LPS) stimulation of murine dendritic cells (DCs) and bone marrow derived DCs (bmDCs) induced production of NO, TNF- α , and IL-6, a response that was modulated by concomitant treatment with Phytolens®. Additionally, Phytolens® enhanced the uptake of fluorescein isothiocyanate-conjugated ovalbumin by bmDCs, suggesting the modulation of the innate responsiveness of murine DCs, and enhancement of their ability to initiate T cell-mediated immunity.

Supplement Facts

Serving size: 2 Capsules
Servings per container: 30

	Amount Per Serving	% Daily Value
Riboflavin	400 mg	23,530%
Coenzyme Q10 (emulsified)	50 mg	*
Proprietary Blend	177 mg	
Feverfew (<i>Tanacetum parthenium</i>)(herb)(extract)*, Butterbur (<i>Petasites hybridus</i>)(root)(extract)*, Phytolens®†*		

* Daily Value not established

Other ingredients: Capsule shell (gelatin and water), vegetable culture, cellulose, gum arabic and magnesium stearate (vegetable source).

†Phytolens® is a registered trademark of Biotics Research Corporation.

This product is gluten and dairy free.



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