

MITOCORE PROTEIN BLEND

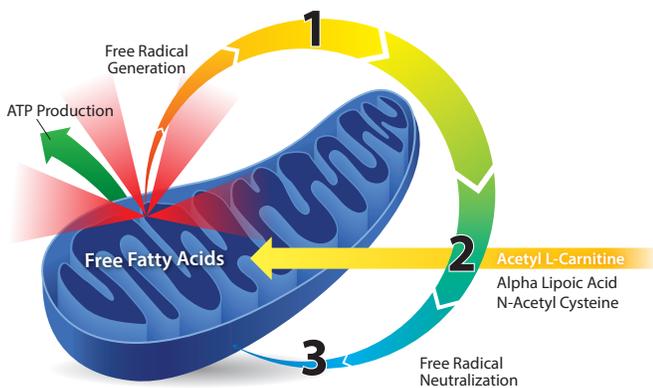


Recommended Use

- Helps in energy production and to maintain immune function
- Source of protein for the maintenance of good health

ESSENTIAL NUTRIENTS

MitoCORE Protein Blend is a scientifically formulated blend of nutrients and protein, designed to support energy production and maintain immune function. Based on peer-reviewed, double-blind research, MitoCORE Protein Blend provides a blend of alpha lipoic acid, N-acetyl cysteine, micronutrients and phytonutrients, including green tea and resveratrol. The protein addition allows an ease of nutrition for those with immune challenges.



Foundation—Micronutrient Essentials

Cellular energy production requires adequate nutritional cofactors. MitoCORE provides key micronutrients to ensure the cycle of energy production is established.

Overview

The body's cells and organ systems depend on an adequate supply of energy to function optimally. The mitochondria, known as the power house of the cell, contain nutrients and enzymes that are important for cellular energy metabolism. Some of these enzymes convert food to usable energy in the

form of adenosine triphosphate (ATP). ATP functions as the key source of energy for all cells. In order to increase mitochondrial output, there must be adequate fuel supply for combustion and abundant antioxidants to scavenge free radical by-products. Preserving our energy reserves and increasing energy output is a critical part of maintaining optimal health.

There are many things that can drain our energy reserves. Lack of sleep, too much stress and poor nutrition can draw on our energy reserves, using them up faster than they can be replenished. Even the vital biologic systems we rely on to maintain health can create an energy deficit that needs to be restored.

MitoCORE Protein Blend is formulated, based on published research, to provide antioxidants and jumpstart cellular energy production from the complex of B vitamins.¹

Some of the most energy demanding systems in the body are:

- Liver detoxification
- Immune function
- Cardiovascular function
- Neurologic function

MitoCORE Protein Blend includes the powerful trio of alpha lipoic acid, N-acetyl cysteine and acetyl L- carnitine, all shown to recharge cellular energy production and the primary cellular antioxidant pools of vitamins E and C and glutathione.

N-Acetyl Cysteine

N-acetyl cysteine (NAC) is an antioxidant that scavenges free radicals.²

DL-Alpha Lipoic Acid

DL-alpha-lipoic acid provides antioxidants for the maintenance of good health.^{3,4}

Resveratrol

Resveratrol is a polyphenol molecule found in many plant species, including grapes and cranberries, and is found in high concentrations in wine. Polyphenols act as antioxidants that protect plants from damage that can be caused by bacteria, fungi and radiation.⁵

Green Tea (EGCG)

Green tea polyphenols are a source of antioxidants. The hydroxyl group of green tea polyphenols forms complexes with free radicals in the body.⁶

The Micronutrient “Backbone”

To increase cellular energy production efficiently, optimal levels of critical nutrients and enzyme cofactors must be achieved. MitoCORE Protein Blend is an energy-providing multivitamin with an optimized backbone of vitamins and minerals necessary for increasing energy output and meeting daily nutritional needs.

Rice Protein

Rice protein is a valuable source of branched chain amino acids leucine, isoleucine and valine. These amino acids reduce the breakdown of protein and stimulate protein synthesis.

Recommended Dose

Adults: Mix 1 scoop with 1-2 cups of water or beverage of your choice, stir briskly and drink immediately. Take with food a few hours before or after taking other medications or natural health products. Consult a health care practitioner for use beyond 12 weeks.

Does Not Contain

Gluten, yeast, artificial colors and flavors.

Risk Statements

Consult a health care practitioner prior to use: if you are pregnant or breastfeeding and/or if you have diabetes, a liver disorder, an iron deficiency, kidney stones, kidney disease, seizure disorder or have a history of non-melanoma skin cancer and/ or if you are taking prescription medication. Stop use and consult a health practitioner following use if you experience sweating, paleness, chills, headache, dizziness, confusion and/ or if you develop symptoms of liver trouble such as yellowing of the skin/eyes, stomach pain, dark urine, sweating, nausea, unusual tiredness and/or loss of appetite. Do not use this product if you are taking antibiotics or nitroglycerin. Rare, unpredictable cases of liver injury associated with green tea

extract-containing products have been reported. May cause digestive problems. Ensure to drink enough fluid before, during, and after exercise.

Store in airtight container, protected from light in a cool dry place.

Medicinal Ingredients (per scoop)

Beta-carotene	3,000 mcg (5,000 IU)
Vitamin C (Calcium ascorbate [USP], Ascorbyl palmitate)	330 mg
Vitamin D3 (Cholecalciferol)	25 mcg (1,000 IU)
Thiamine (Thiamine hydrochloride) [USP]	15 mg
Riboflavin [USP]	15 mg
Niacinamide [USP]	15 mg
Vitamin B6 (Pyridoxal hydrochloride) [USP]	15 mg
Folate (Quatrefolic®;(6S)-5-Methyltetrahydrofolic acid, glucosamine salt)	800 mcg
Vitamin B12 (Methylcobalamin)	250 mcg
Biotin	50 mcg
Pantothenic acid (Calcium D-pantothenate) [USP]	15 mg
Calcium (Calcium ascorbate, Calcium citrate) [USP]	75 mg
Iodine (Potassium iodide)	37 mcg
Magnesium (Dimagnesium malate)	75 mg
Zinc (TRAACS® Zinc bisglycinate)	6 mg
Selenium (Selenium glycinate)	75 mcg
Manganese (TRAACS® Manganese (II) bisglycinate)	1 mg
Chromium (Chromium (III) polynicotinate)	50 mcg
Potassium (Potassium citrate) [USP]	30 mg
Rice protein (<i>Oryza sativa</i> - Seed)	13.24 g
N-Acetyl-L-cysteine [USP]	600 mg
N-Acetyl L-carnitine hydrochloride	500 mg
DL-alpha-Lipoic acid	200 mg
Green tea extract (<i>Camellia sinensis</i> , Leaf)	45 mg (45% EGCG, 80% Catechins, 30:1, QCE 1,350 mg)
Broccoli (Truebroc®; <i>Brassica oleracea</i> var. <i>italica</i> , Seed) Extract	40 mg (13% Glucoraphanin, 10:1, QCE 400 mg)
Choline (Choline bitartrate)	15 mg
Inositol	15 mg
Resveratrol (trans-Resveratrol, <i>Polygonum cuspidatum</i> - Root)	10 mg

Non-Medicinal Ingredients

Beet Root Powder [Organic], Strawberry Flavour, Strawberry Flavour [Organic], Whole Milk Flavour, Cream flavour, Natural Flavour, Medium-Chain Triglycerides, Rebaudioside A [Organic], Guar Gum, Acacia Gum, Xanthan Gum, Silicon Dioxide, Mixed Tocopherol Concentrate.

References

1. Kaiser JD, Campa AM, Ondercin JP, Leoung GS, Pless RF, Baum MK. Micronutrient supplementation increases CD4 count in HIV-infected individuals on highly active antiretroviral therapy: a prospective, double-blind, placebo-controlled trial. *J Acquir Immune Defic Syndr* 2006; 42(5): 523-528.
2. N-Acetylcysteine. *Altern Med Rev* 2000; 5(5):467-471.
3. Ames, B. N. Optimal micronutrients delay mitochondrial decay and age-associated diseases. *Mech Ageing Dev* 2010; 131(7-8):473-479.
4. Ames, B. N. and Liu, J. Delaying the mitochondrial decay of aging with acetylcarnitine. *Ann N Y Acad Sci* 2004; 1033:108-116.
5. Resveratrol: Monograph. *Altern Med Review* 2010; 15(12):152-158.
6. Green Tea. *Altern Med Review* 2000; 5(4):372-5. pathways. *The FASEB Journal*. 2008; 22:892.892.