## **Mitochondrial Bioenergetics**

Preserving the Core of Cellular Energy Production

## PRODUCTS<sup>®</sup> Because Efficacy Matters<sup>®</sup>

#### THE ENERGY PARADOX

Cellular energy production is a delicate balance. The mitochondria generate 90% of the body's energy supply and 90% of the free radical burden. Increased stress, poor nutrition, negative lifestyle factors, and exposure to toxins alter mitochondrial function, tipping the balance toward free radical production. These volatile molecules damage proteins, nucleic acids, and lipids, causing cellular injury and accelerated aging. When the mitochondria malfunction due to free radical-induced stress, energy production plummets and cell function declines.

### THE VICIOUS CYCLE OF MITOCHONDRIAL DECLINE



Decreased cellular energy is an underlying cause of many health challenges. Emerging research continues to highlight the importance of targeted nutritional strategies for boosting energy production and preserving mitochondrial function to enhance health. This was recently demonstrated in the following double-blind, placebo-controlled study, which used immune vitality as a marker of mitochondrial health.

After only 12 weeks, the targeted micronutrient group demonstrated a 24% increase in CD4 cell count, an important marker of immune strength.<sup>1</sup> This dramatic improvement indicates increased energy availability for enhanced immune activity and regeneration.



#### % CHANGE IN CD4 COUNT

<sup>1</sup>Kaiser, J.D.; Campa, A.M. et al. Micronutrient supplementation increases CD4 count in HIV-infected individuals on highly active antiretroviral therapy: a prospective, double-blinded, placebo-controlled trial. J Acquir Immune Defic Syndr. 2006; 42(5):523-528.

RECHARGE CELLULAR ENERGY

# MITOCORE



#### 1. Foundation—Micronutrient Essentials

Oxidative phosphorylation requires adequate nutritional cofactors. Mitocore provides key micronutrients to ensure the cycle of energy production is established.

#### 2. Ignition—The Power Trio

Mitocore works by combining active doses of acetyl L-carnitine, alpha lipoic acid, and N-acetyl cysteine to ignite oxidative phosphorylation and neutralize free radical by-products.

#### 3. Protection—Bioactive Phytonutrients

Mitocore provides plant compound "signals" to stimulate proper mitochondrial function and guard against mitochondrial degeneration.

Mitocore is a targeted, science-based nutritional strategy to renew the cycle of energy production.



Servings Per Container 15 & 30					
4 capsules contain	Amount Per Serving	% Daily Value	4 capsules contain	Amount Per Serving	% Daily Value
Vitamin A (from 5,000 IU as Natural Beta Car	1,500 mcg otene)	167%	Selenium (as Selenium Glycinate Complex)	75 mcg	136%
Vitamin C (as Ascorbic Acid USP) Vitamin D (D3 as Cholecalciferol)	250 mg 25 mcg (1,00	278% 0 IU) 125%	Manganese (as TRAACS®Manganese Bisglycin	1 mg ate Chelate)	43%
Thiamin (Vitamin B1) (from Thiamine Hydrochloride USP	15 mg	1,250%	Chromium (as O-polynicotinate) <sup>‡</sup>	50 mcg	143%
Riboflavin (Vitamin B2 USP)	15 mg	1,154%	Potassium (as Potassium Citrate US	5P) 30 mg	<1%
Niacin (as Niacinamide USP)	15 mg	94%	N-Acetyl-L-Cysteine USP	600 mg	
Vitamin B6 (as Pyridoxine Hydrochloride USP)	15 mg	882%	Acetyl L-Carnitine Hydrochloride	500 mg	*
Folate (from 800 mcg as Quatrefolic <sup>®</sup> (6S)-5-Methyltetrahyd	1,360 mcg DFE rofolic acid glucos	340% samine salt)	Malic Acid (as DiMagnesium Malate	) 215 mg	*
Vitamin B12 (as Methylcobalamin)	250 mcg	10, 417%	Mixed Tecophorels	200 mg	*
Biotin	50 mcg	167%	Orean Table of Extends (Otendardia	JU IIIg	
Pantothenic Acid (as d-Calcium Pantothenate USP)	15 mg	300%	to contain 45% EGCg (Epigallocated	ed 45 mg hin gallate))	
Choline (as Choline Bitartrate)	15 mg	3%	Broccoli Seed Extract (TrueBroc <sup>®</sup> ) (Standardized to contain 13% Sulfer	40 mg	* (otoloto)
Calcium (as Calcium Citrate USP)	75 mg	6%	Inspital NE	15 mg	isiriolate)
Iodine (from Potassium Iodide)	37 mcg	25%		15 mg	
Magnesium (as DiMagnesium Mala	ite) 75 mg	18%	trans -Resveratrol (from Polygonum cuspidatum (Roots	10 mg s))	*
Zinc (as TRAACS <sup>®</sup> Zinc Bisglycinate Ch	5 mg elate)	45%	* Daily Value not established		

#### ALSO AVAILABLE:



Based on the same trusted formula, Mitocore Protein Blend provides key energy-enhancing nutrients in a nourishing base of easy-to-digest protein from brown rice for better cellular nutrition.

4 capsules = 2 scoops



ID# 117060 60 Capsules ID# 117120 120 Capsules

#### **Protein Blend**

ID# 170001 Strawberry 414.4 grams ID# 171001 Lemon 414.4 grams

Capsules: 2-4 capsules per day or as recommended by your health care professional.

Protein Blend: Mix 2 scoops of MITOCORE with 8-10 ounces of water or to the desired thickness once daily or as recommended by your health care professional.



These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.