Mitochondrial NRG™ is a formulary blend of nutrients, nutraceuticals, botanicals, and Krebs cycle intermediates designed to support efficient mitochondrial metabolism and energy (ATP) production for increased vitality.

Mitochondrial NRG™ may be indicated for those individuals suffering with debilitating fatigue, including those diagnosed with chronic fatigue syndrome (CFS) and fibromyalgia (FMS), those wanting to increase energy output for improved athletic performance, and anyone wishing to improve overall cellular and tissue vitality and health.

It has been well established in the scientific medical literature that mitochondrial dysfunction, with its associated ATP deficiency, is related to a host of diseases, including degenerative neurological disorders (i.e., Alzheimer’s, Parkinson’s, multiple sclerosis, amyotrophic lateral sclerosis), cardiovascular disease (i.e., heart attack, stroke, peripheral vascular disease), obesity, and diabetes (reduced mitochondrial biogenesis has been demonstrated in metabolic syndrome). Mitochondria deteriorate with age due to ongoing exposure to free radicals, which accelerate the destruction of cellular components. As the mitochondrial function declines the cells become starved for energy and damaged, causing them to function less efficiently. Many investigators suspect that caloric restriction slows aging primarily by lowering free radical production in mitochondria. Conversely, the benefits of increased mitochondrial biogenesis and ATP availability are many, including the reduction of oxidative stress and age–related deterioration as well as improvements in metabolic function, energy level, exercise performance, body composition, cognitive function, and lifespan (shown in animal models).

Mitochondrial NRG™ May Benefit:
- Fatigue / Chronic Fatigue Syndrome (CFS)
- Fibromyalgia (FMS)
- Exercise intolerance
- Improved athletic performance
- Post-exercise muscle soreness
- Efficient fat burning
- Healthy weight loss
- Poor cognitive (brain) function
- Those wishing to improve overall cellular and tissue vitality and health
- Mitochondrial genetic mutations, either inborn or acquired during aging or due to excessive exercise (such as mitochondrial myopathy)
Mitochondrial NRG™ contains nutrients known to aid in factors in mitochondrial energy production, including:

- CoQ10 – rate-limiting nutritional factor in the electron transport chain
- Alpha Lipoic Acid – cofactor in multi-enzyme complexes that catalyzes oxidative decarboxylation dehydrogenase complex
- Pantetheine – necessary to shuttle fats from the blood stream across the cellular membrane for cell entry
- L-Carnitine – necessary to shuttle those same fats across the mitochondrial membranes for burning
- B Vitamins, Magnesium and Manganese – required as Krebs cycle enzyme cofactors
- Ribose – a nucleotide repleter and direct cellular energy source
- Malic and Succinic Acids - for refilling of key Krebs cycle intermediates

Creatine - to support additional energy production (using Albion’s patented Creatine MagnaPower®, which supplies creatine and magnesium together, both needed for healthy mitochondria)

Resveratrol and Curcumin - botanicals shown to induce the production of additional mitochondria (mitochondrial biogenesis) through SIRT1 gene signaling and PGC-1-alpha induction. This resveratrol is in the well-absorbed trans-

Other Ingredients: Microcrystalline cellulose, vegetable stearate, silicon dioxide, ß-cyclodextrin.

To contact Designs for Health, please call us at (800) 847-8302, or visit us on the web at www.designsforhealth.com.

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