



TPP™ ELECTRON TRANSPORT

The electron transport chain is strategically situated in the inner mitochondrial membrane and represents the final common pathway by which electron-rich intermediates are converted into ATP, the basic energy fuel of the human body. Blockage or uncoupling of this vital pathway leads to a tremendous decline in the concentration of available ATP. Many known factors have been directly attributed to the creation of this deleterious scenario, including iron deficient anemia, certain pharmaceuticals, excess oxidative stress, and lack of cellular integrity. Once this electron transport derailment has occurred, energy production will diminish and overall cellular integrity will suffer.

Like the TCA cycle, the electron transport system is essential for maintaining optimal health. Many conditions are directly linked to a derailment of this system, including fibromyalgia, chronic fatigue syndrome, and the Epstein Barr virus. Therefore, immediate care for and treatment of the electron transport system in order to optimize utilization of electron-rich intermediates is of primary consideration in countless metabolic dysfunctions.

TPP™ Electron Transport has been specially formulated to protect and maintain the peak performance of this energy-producing chain. Each nutrient has been carefully selected to fill the void in the electron transport chain that is most frequently an area of blockage. Lowering overall stress levels, increasing exercise, and adding **TPP™ Electron Transport** to the diet will aid in improving and protecting this life-enhancing cascade of reactions.

SUPPLEMENT FACTS			
Serving Size 1 Capsule			
Amount Per Serving	% Daily Value		
Vitamin K	100 mcg		125%
Zinc (as zinc citrate)	20 mg		134%
Selenium (as selenium citrate)	100 mcg		143%
Manganese (as manganese citrate)	5 mg		250%
L-carnitine (as L-carnitine tartrate)	20 mg		*
Dimethylglycine	25 mg		*
Tzyme™ Enzyme Blend (Protease, Phytase, alpha-Galactosidase, Pectinase, Glucoamylase, Peptidase, Cellulase, Hemicellulase)	30 mg		*
Transfer 98 Ferulic Acid	20 mg		*
CoEnzyme Q10	15 mg		*
* Daily Value not established			

Other ingredients: Vegetarian Capsule (cellulose & water)

Tzyme™ is a trademark of a proprietary blend of highly active, pH balanced, GI tract stable and functional enzymes formulated to enhance the digestive process and impart systemic benefits.

Each bottle contains 60 capsules.

Recommended Dosage: Take one capsule two times daily with food or as directed by your health care practitioner.

SYNERGISTIC FORMULA: TPP™ Digest

POSSIBLE INDICATIONS FOR TPP™ ELECTRON TRANSPORT INCLUDE:

A need for detoxification	Energy maintenance
Anemia	Low vitality
Chronic Fatigue Syndrome	Oxidative stress
Degenerative diseases	

POSSIBLE CONTRAINDICATIONS FOR TPP™ ELECTRON TRANSPORT INCLUDE:

None

FORMULATION RATIONALE:

L-Carnitine Tartrate: This vitamin-like compound is responsible for the transport of long-chain fatty acids into the mitochondria for oxidation and for energy production.

Dimethylglycine (DMG): This nutrient supports energy metabolism and increases available oxygen so that the mitochondria can work aerobically.

Zinc (as Zinc citrate): Zinc is an essential mineral utilized by the electron transport chain. It protects the mitochondrial membrane due to its antioxidant capacity. The citrate form of zinc is more readily absorbed and leaves an alkaline ash residue.

Ferulic acid: A specific antioxidant that protects the inner mitochondrial membrane, this increases the efficiency of the electron transport chain.

CoEnzyme Q10: This key component of the electron transport chain aids the metabolic reactions that transform food into ATP. Its actions improve energy production while protecting the inner mitochondrial membrane.

Selenium (as Selenium citrate): This mineral protects the mitochondria by preventing the formation of free radicals. The citrate form of selenium is more readily absorbed and leaves an alkaline ash residue.

Manganese (as Manganese citrate): An essential mineral for the proper functioning of the electron transport chain and a functional mineral in SOD, this lowers oxidative stress. The citrate form of manganese is more readily absorbed and leaves an alkaline ash residue.

Vitamin K: This vitamin is intricately involved in the process of phosphorylation that is coupled to the electron transport chain.

Tzyme™ Protease Blend: A proprietary blend of protease that aids in the lysis, targeting, and absorption of all plant-based substances, this blend of enzymes binds with free-floating proteins, thus limiting their destructive tendencies. This allows for the maximum absorption of all nutrients.

Tzyme™ Polysaccharolytic Blend: This proprietary blend of enzymes facilitates the digestion of all carbohydrates. These enzymes ensure the optimization of polysaccharide digestion as well as the absorption of minerals by preventing the chelating effects of phytates, pectinates, and oxalates.

In order to maintain optimal health, it is essential to support the electron transport system in our body. The many life-sustaining activities and reactions within this system (like the TCA cycle) are critical to sustaining our production of ATP and our life itself. The rising incidence and detrimental effects of such conditions as oxidative stress takes its toll on this system by uncoupling and blocking the vital energy pathways. **TPP™ Electron Transport** can serve as a powerful aid in protecting and improving this life-enhancing cascade of reactions.

These statements have not been evaluated by the U.S. Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.

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