



# Mitochondrial Formula

**Increases Cellular Energy (ATP) Production**  
**Reduces Symptoms of Fatigue**  
**Supports Endogenous Antioxidant Defence Systems**

- Provides a high dose of clinically relevant amounts of key nutrients, including 300 mg of CoQ10 and 1500 mg of acetyl-L-carnitine
- Contains a combination of sustainably made ancient peat and apple extracts shown to increase ATP levels without increasing reactive oxygen species
- Antioxidant protection from superoxide dismutase and Opitac® L-glutathione provides redox balance within the cell
- Stimulant free
- Suitable for vegetarians, with easy dosing and natural watermelon flavour

## PRODUCT SUMMARY

Mitochondrial Formula is a unique combination of nutrients designed to enhance mitochondrial function by increasing ATP production, while also providing intracellular antioxidant protection. Mitochondria are the energy powerhouses of the cell, consuming 80–90% of a cell's oxygen to produce ATP via the oxidative phosphorylation (OXPHOS) process. Impaired mitochondrial bioenergetics underly both the aging process and many chronic cardiovascular, metabolic, and neurological conditions. Acetyl-L-carnitine shuttles fatty acids across the mitochondrial membrane, essential for generating energy via fatty acid metabolism. It has been shown to improve fatigue, neurological and cognitive function, and blood pressure. The antioxidant CoQ10 is a component of the mitochondrial respiratory chain and an essential cofactor in the electron transport system. It has shown clinical benefit for many conditions, including hypertension and migraine.

ElevATP™ is a blend of plant bio-inorganic trace minerals and an apple extract rich in polyphenols such as procyanidins and chlorogenic acid. It has been shown to increase whole blood ATP levels as well as exercise performance and body composition, without an increase in reactive oxygen species. Given that mitochondria are the primary source of free radical production within a cell, the bioavailable Opitac L-glutathione and superoxide dismutase (from Extramel®) are also key components. They are critical to redox balance within a cell and have been shown to reduce perceived stress and fatigue.



# MITOCHONDRIAL FORMULA

## INCREASES CELLULAR ENERGY (ATP) PRODUCTION

**Serving Size:** 1 Heaping Scoop = 2.7 g

**Servings Per Container:** 30

**Each Serving (1 Heaping Scoop = 2.7 g) Contains:**

Acetyl-L-Carnitine (N-Acetyl L-Carnitine Hydrochloride) .....	1500 mg
Coenzyme Q10 (microorganism) .....	300 mg
ElevATP™ .....	150 mg
Ancient Peat Extract.....	148.5 mg
Apple Extract 85:1 ( <i>Malus domestica</i> ) (fruit).....	1.5 mg
Opitac® L-Glutathione .....	100 mg
S.O.D Extramel® Complex (Cantaloupe ( <i>Cucumis melo</i> subsp. <i>melo</i> var. <i>cantalupo</i> ) (fruit)).....	10 mg
Superoxide dismutase (S.O.D) .....	140 IU

**Non-medicinal Ingredients:** Natural flavour, purified stevia leaf extract.

**Recommended Adult Dose:** 1 heaping scoop (2.7 g) per day dissolved in 250 mL of water or as directed by a health care practitioner. Take with food. Ensure you drink enough fluid before, during, and after exercise. Use a minimum of 4 weeks to see beneficial effects.

**Recommended Use:** Helps increase energy production (ATP) at the cellular level. Helps sustain the function of endogenous antioxidant defence systems by providing the antioxidant enzyme superoxide dismutase. Helps support cardiovascular, cognitive, and brain health. Helps reduce the symptoms of stress such as pain, fatigue, sleeplessness, weariness, irritability, and quality of life (physical and mental health conditions). Helps improve strength and power in repetitive bouts of brief, highly intense physical activity. May help increase muscle size when used in conjunction with resistance training. Provides antioxidants that help protect against the oxidative damage caused by free radicals.

**Caution:** Consult a health care practitioner prior to use if you are pregnant or breastfeeding, have a liver disease, kidney disease or a seizure disorder, or if you are taking blood pressure medication or blood thinners. May cause digestive problems. Keep out of reach of children.

**Contraindications:** While no specific contraindication exists or is predicted, data is lacking for use during pregnancy, lactation, and in children, and the dosage may need to be reduced for individuals under the age of 18.

**Drug Interactions:** Although very little evidence supports this interaction, a potential interaction is possible for individuals taking the anticoagulant Coumadin and both CoQ10 and acetyl-L-carnitine. Close monitoring of the INR is recommended in these patients. No other negative drug interactions are known for CoQ10, though a number of medications inhibit CoQ10 synthesis or function in the body, including statin or blood pressure medications, tricyclic antidepressants, and oral hypoglycemic agents, suggesting a potential benefit of combined use.

**Contains no artificial colours, preservatives, or sweeteners; no dairy, sugar, wheat, gluten, soy, corn, egg, fish, shellfish, salt, tree nuts, or GMOs. Suitable for vegetarians.** Sealed for your protection. Do not use if seal is broken. For freshness, store in a cool, dry place.

References available at [bioclinicnaturals.com](http://bioclinicnaturals.com)



· GUARANTEED ·

Bioclinic Naturals® products are guaranteed to meet or exceed Good Manufacturing Practices (GMP) of the U.S. Food and Drug Administration (FDA), Health Canada, and the Therapeutic Goods Administration (TGA) of Australia.



PRODUCT OF CANADA  
Bioclinic Naturals® Canada  
Burnaby, BC V3N 4T6  
[bioclinicnaturals.com](http://bioclinicnaturals.com)

FOR PROFESSIONAL USE ONLY. This product is not intended to diagnose, treat, cure or prevent any disease.

© All Rights Reserved Bioclinic Naturals® 2021. April 15, 2021. 9222879

Bioclinic Naturals is distributed by Assured Natural Distribution Inc.

Head office Assured Natural Distribution Inc., 104 – 3686 Bonneville Place, Burnaby, BC, Canada V3N 4T6 | U.S. Distribution office 14224 167<sup>th</sup> Avenue SE, Monroe, WA, USA 98272

Customer Service 1-888-826-9625 · Fax 1-877-433-9862 · Email [customerservice@bioclinicnaturals.com](mailto:customerservice@bioclinicnaturals.com)