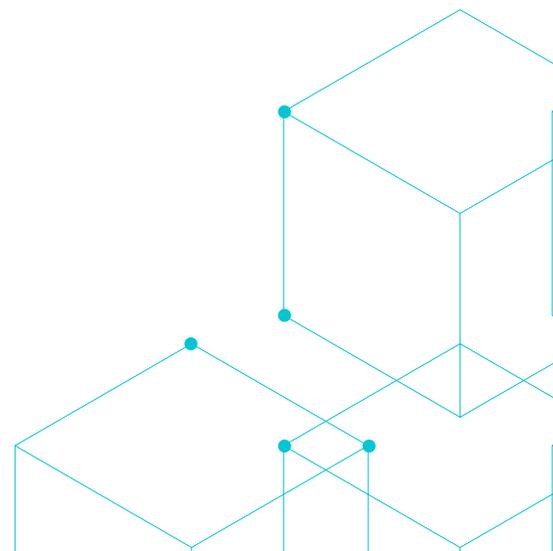




# MITOCHONDRIAL OPTIMIZER

## Doctor's Reference Sheet



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### Clinical Phenotypes

- Reduces LDL and total cholesterol
- Prevents white matter lesion(s)
- Attenuates Non-Alcoholic Fatty Liver disease (NAFLD)
- Prevents glutamate-induced neurotoxicity post stroke
- Manages dementia, Parkinson's and Alzheimer's

#### INGREDIENTS:

Mitochondrial Optimizer formula has been designed to boost mitochondrial function with antioxidants and nutrients that fuel energy production. Mitochondria are the power plants inside our cells. They represent approximately 10% of total body weight, and are utilized in a number of roles throughout the body. Their most important is supplying energy to cells. There are many factors that can affect mitochondrial function including toxins, aging, trauma or injury to cells or tissues. When free radicals are produced by these insults, mitochondrial function is affected. Sub-optimal mitochondrial function has been shown in a range of health concerns, such as poor glucose control, neurological conditions, metabolic disorders, and poor cardiovascular health.

Tocotrienols belong to the vitamin E family and are potent antioxidants that support mitochondrial health. They can be found in rice bran, wheat germ, oats and barley. But in these natural forms, the amount is minimal and can be found more abundantly palm oil extracted from red palm fruit.

Acetyl L-carnitine supports normal mitochondrial fuel metabolism by transporting fats and carbohydrates into the mitochondria to produce energy. This process is used by all cells. However, it is most critical in cardiac and skeletal muscle cells, where 98% of L-carnitine is stored.

CoQ10 also plays a major role in supporting mitochondrial energy production, antioxidant activity, neurological and cardiovascular health. CoQ10 production is controlled by the enzyme HMG-CoA reductase and can be hindered by a number of factors. This includes but not limited to natural aging or certain medications. Low levels of CoQ10 can cause decreased energy production and oxidative stress. CoQ10 is converted to an active form called ubiquinol, which is used in this formula.

# SUPPLEMENT FACTS

Serving Size 1 Capsule

Tocotrienols (Tocotrienol concentrate)	100 mg
Ubiquinol	135 mg
Manganese	2.5 mg
Vitamin D	500 IU
Acetyl L-Carnitine	315 mg

## OTHER INGREDIENTS:

Vegetable Cellulose Capsules, °Organic Nu-Flow®

- a) EVNoI SupraBio™ is a trademark of ExcelVite Inc. and protected by US Patent Nos: 6,596,306
- b) Kaneka Uniquinol™ is a trademark of Kaneka Corporation.
- c) Nu-Flow® is a registered trademark of RIBUS, Inc.

Custom Compounded for Clinicians by Youtrients

## DIRECTIONS:

**Level 1:** Take 1 capsule once daily with food, or as directed by your healthcare practitioner.

**Level 2:** Take 1 capsule twice daily with food, or as directed by your healthcare practitioner.

## STORAGE:

Keep in a cool, dry place out of reach of children.

## DOES NOT CONTAIN:

Wheat, gluten, yeast, corn, soy, animal or dairy products, fish, shellfish, peanuts, tree nuts, egg, artificial colors/sweeteners or preservatives.

## CAUTIONS:

Consult your healthcare provider prior to use. Especially if you are taking anti-coagulant or anti-platelet medications, or have a bleeding disorder.

Individuals taking medications and/or other supplements should discuss potential in-teractions with their health practitioner.

Do not use if seal has been tampered with or damaged.

Do not exceed recommended dose.

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