

CoQmelt™

Fastest Absorbing CoQ10 Available

DESCRIPTION

CoQmelt™, provided by Douglas Laboratories®, supplies 100 mg of coenzyme Q10 in a natural orange flavored, fast-melting tablet. CoQmelt's patented delivery system – a tablet that melts on the tongue virtually in seconds – has shown to absorb faster than any other coenzyme Q10 product available. Best of all, CoQmelt™ contains no sugar, artificial colors or flavors and is suitable for vegetarians.

FUNCTIONS

Coenzyme Q10 (or ubiquinone) is an important rate-limiting nutrient that is a cofactor in the mitochondrial electron transport chain, the biochemical pathway in cellular respiration from which adenosine triphosphate (ATP) and metabolic energy is derived. Since nearly all cellular activities are dependent upon energy, coenzyme Q10 is essential for the health of all human tissues and organs.

Coenzyme Q10 is a naturally-occurring antioxidant nutrient which retards free radical formation in biological systems. Coenzyme Q10 resembles vitamin E and vitamin K in chemical structure. Biochemically, it functions much like vitamin E in that it participates in antioxidant and free radical reactions. Healthy humans who consume a well-balanced diet have the ability to synthesize coenzyme Q10. Unhealthy individuals and those on an inadequate diet may not synthesize coenzyme Q10 in sufficient quantity. According to Dr. Karl Folkers and other experts, humans can biosynthesize coenzyme Q10 from tyrosine or phenylalanine and mevalonic acid, which are small molecules abundant in the body. This is a complex biochemical process that requires 15 separate steps and many enzymes, coenzymes, vitamins and minerals. Only by such a process can the respiratory chain receive proper levels of coenzyme Q10.

Thus, the biosynthesis of coenzyme Q10 in the human body requires a good diet – one that is high in vitamins, minerals, and other nutrient factors. It has

been shown by the NHANES' studies that many Americans do not have an adequate diet. Rather, their intake of most water soluble vitamins, vitamin A and some minerals and trace elements is insufficient. Many of these nutrients are essential for the biosynthesis of coenzyme Q10. In addition, it has been shown that in disease states, nutrients from food sources may not necessarily be absorbed or available. According to some experts, coenzyme Q10 should be considered an essential nutrient, as it is well established that coenzyme Q10 is essential for the health of every cell in the human body.

Numerous studies indicate coenzyme Q10 also plays an important role in the maintenance of the entire cardiovascular system. Supplementation with coenzyme Q10 in patients has shown to be useful for treating hypertension. Coenzyme Q10 also plays an important role in the maintenance of blood vessels and heart muscle function. In several studies, patients suffering from congestive heart failure showed improvements in symptoms when given coenzyme Q10 supplementation. Other studies show that coenzyme Q10 may positively affect blood pressure and reduce the risk of plaque rupture. In addition, people taking statin drugs can develop deficiencies in coenzyme Q10, due to the fact that when the statin drugs inhibit cholesterol synthesis, the body's production of coenzyme Q10 can be adversely affected as well.

INDICATIONS

CoQmelt™ may be a useful dietary adjunct for individuals whose coenzyme Q10 requirements are not met through biosynthesis of the molecule, or for those who have difficulty with absorption of fat-soluble nutrients.

FORMULA (#98555)

Each Fast-Melt Tablet Contains:

Coenzyme Q10 100 mg

(continued on reverse)

SUGGESTED USE

Adults take 1 tablet daily with meals or as directed by physician.

SIDE EFFECTS

No adverse side effects reported.

HOW SUPPLIED

Supplied in bottles of 30 tablets.

STORAGE

Store in a cool, dry place, away from direct light.

Keep out of reach of children.

REFERENCES

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**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.**

**Manufactured by
Douglas Laboratories**