

Ubiquinol-QH

With VESIsorb® Technology

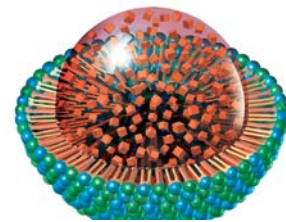
DESCRIPTION

Ubiquinol-QH, provided by Douglas Laboratories, is a softgel containing 100 mg of natural ubiquinol in a patented, naturally self-assembling nano-colloid system called VESIsorb® technology for enhanced absorption.

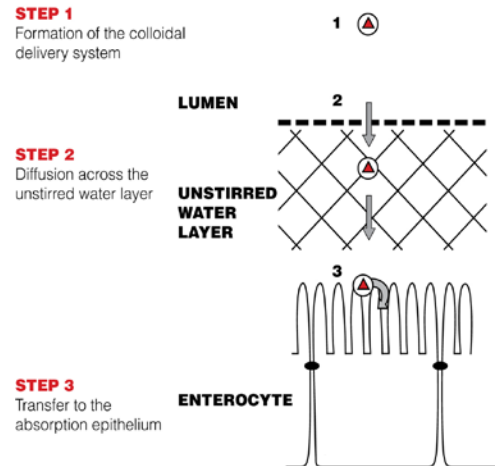
FUNCTIONS

Ubiquinol is the biologically reduced form of ubiquinone, also known as coenzyme Q10. Ubiquinone can be converted by the body into ubiquinol. While supplemental ubiquinone plays a valuable role in health and can be utilized by the body, recent studies indicate that as people age, the body's ability to convert ubiquinone to ubiquinol begins to decline. Since this nutrient plays critical roles in antioxidant, energy and cardiovascular function, ubiquinol may be of special importance for older adults looking to support normal aging and cardiovascular function. In one study, older adults with suboptimal cardiovascular function were found to be able to support and maintain their cardiovascular function with supplementation of ubiquinol.

Our Ubiquinol-QH is unique among other ubiquinol products as it utilizes the patented VESIsorb® technology to deliver ubiquinol. When mixed with an aqueous system, this patented technology results in the formation of a nano-colloid containing solubilized ubiquinol. This association colloid delivery system contains a highly uniform distribution of droplets that are less than 100 nm in diameter. The size and structure of these droplets allow for enhanced solubility and absorption of ubiquinol. Figure 1 represents the structure of a nano-colloid droplet which consists of a monolayer with the ubiquinol contained within the core. The formation of the colloidal system upon contact with an aqueous environment (such as the lumen of the intestine) enables the solubilized ubiquinol to more easily diffuse across the unstirred water layer that is present between the enterocyte and the lumen of the intestine (Figure 2). One can demonstrate the enhanced solubility of the ubiquinol contained in Ubiquinol-QH by placing a capsule in warm water. Once the capsule opens, the contents can be easily mixed with the water, resulting in the formation of the association colloid. There is no separation of oil and water phases as is typical with more traditional delivery systems.



ABSORPTION PATHWAY



INDICATIONS

Ubiquinol-QH may be a useful dietary supplement for individuals wishing to support cardiovascular function.

FORMULA (#201899)

1 softgel Contains:
 Vitamin E(as d-alpha tocopheryl)10 IU
 Ubiquinol.....100 mg
 (Kaneka QH™ reduced form of CoQ10)

Other ingredients: Gelatin (bovine, capsule), medium chain triglycerides, polysorbate 80, polyglycerol fatty acid esters, glycerin and caramel color

VESISORB® is a registered trademark of Vesifact AG.



Kaneka QH™ is a trademark of Kaneka Corporation.

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SUGGESTED USE

Adults take 1 Softgel daily with meals or as directed by your healthcare professional.

SIDE EFFECTS

No adverse side effects have been reported.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES

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Maroz A, Anderson RF, Smith RA, Murphy MP. Free Radic Biol Med. 2009 Jan 1;46(1):105-9. [Ubiquinol].

Yan J, et al. Exp Gerontol. 2006 Feb;41(2):130-40. [Reduced coenzyme Q10].

For more information on Ubiquinol-QH visit douglaslabs.com

† 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.

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**You trust Douglas Laboratories.
Your patients trust you.**