

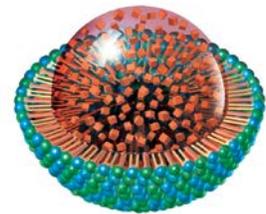
Citrus Solu-Q™ CoQ10 With VESIsorb® Nano-Colloid Technology

DESCRIPTION

Citrus Solu-Q™, provided by Douglas Laboratories®, is a Caplique™ containing natural coenzyme Q10 in a patented, naturally self-assembling nano-colloid delivery system called VESIsorb® for enhanced absorption.

FUNCTIONS

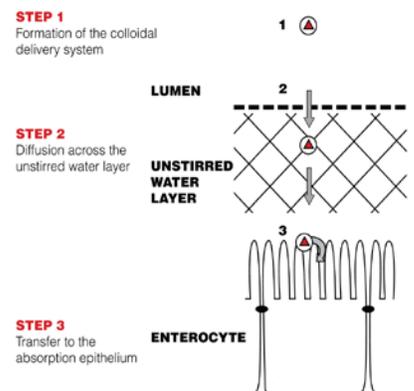
Coenzyme Q10 is a fat soluble nutrient that is poorly soluble in water and is not well absorbed when taken orally. Coenzyme Q10 is an important rate-limiting nutrient that is a cofactor in the mitochondrial electron transport chain, the biochemical pathway in cellular respiration from which adenosine 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, especially the heart. Given the strength of the science that has been emerging for the use of supplemental CoQ10, it is important to ensure that optimal CoQ10 levels are achieved in the blood following supplementation. Citrus Solu-Q™ is unique among coenzyme Q10 products as it utilizes the patented VESIsorb® technology to deliver coenzyme Q10. When mixed with an aqueous system, this patented technology results in the formation of a nano-colloid containing solubilized CoQ10. 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 coenzyme Q10.



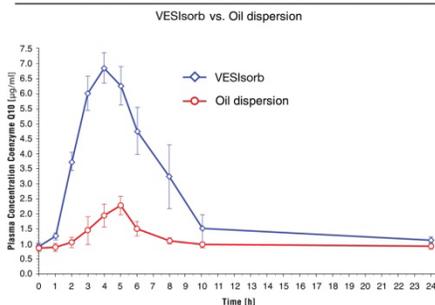
This image represents the structure of a nano-colloid droplet which consists of a monolayer with the coenzyme Q10 contained within the core. The formation of the colloidal system upon contact with an aqueous environment (such as the lumen of the intestine) enables the solubilized CoQ10 to more easily diffuse across the unstirred water layer that is present between the enterocyte and the lumen of the intestine.

One can demonstrate the enhanced solubility of the CoQ10 contained in Citrus Solu-Q™ 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 CoQ10 delivery systems. In a clinical study in humans, supplementation with CoQ10 utilizing the patented VESIsorb® technology resulted in greater absorption compared with other CoQ10 products.

ABSORPTION PATHWAY



PHARMACOKINETIC PROFILE



INDICATIONS

Citrus Solu-Q™ may be a useful dietary adjunct for individuals wishing to supplement their diets with a highly absorbable form of CoQ10 for antioxidant and cardiovascular support.

Citrus Solu-Q™
CoQ10 With VESIsorb® Nano-Colloid Technology

FORMULA (#201775)

Supplement Facts		
Serving Size 1 Vegetarian Caplique® Capsule		
Servings Per Container 60		
Amount Per Serving		%DV
Vitamin E	9 IU	30%
(as d-alpha-tocopheryl)		
Natural Coenzyme Q10	100 mg	*
*Daily Value not established.		

Other ingredients: Hydroxypropyl methylcellulose (capsule), medium chain triglycerides, polysorbate 80, polyglycerol fatty acid esters, citrus oil extract (Citrus sinensis, peel) and titanium dioxide.

SUGGESTED USE

Adults take 1 Caplique™ capsule daily or as directed by your healthcare professional.

CAUTION: If taking Coumadin (Warfarin) prescription, consult a healthcare professional before taking this product.

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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For more information on Citrus Solu-Q™ 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.**