

NanoCoQ10®

Contains CoQ10 Derived from Nano Technology



Positioning Statement

NanoCoQ10® utilizes cutting-edge nano technology to deliver highly bio-available coenzyme Q10 for potent cardiovascular and cognitive benefits. Pharmanex's proprietary nano technology individually wraps each CoQ10 molecule making them up to 10 times more bioavailable than other forms of CoQ10*

Concept

Coenzyme Q10, also known as ubiquinone or CoQ10, is a vitamin-like substance that naturally occurs in the body. CoQ10 is present in all cell nuclei and is most abundant in the cells of organs that require a lot of energy production, such as the heart and brain. CoQ10 plays an essential role in energy production and, due to its structural similarities with vitamin E, is a powerful antioxidant. CoQ10 levels in the body peak at around age 20 and decline by as much as 65% by age 80. Because of CoQ10's role in energy production, some major organs may lose function at just a 25% decline in CoQ10 levels. Everyone, particularly those who are concerned about cardiovascular health, need supplemental CoQ10 to support just the basic, normal biological processes in the body.*

CoQ10 is an oil and therefore is limited in its dispersion in an aqueous environment, like the digestive tract. When oil is added to water it won't disperse on its own, but tends to form globules or droplets. Research suggests that CoQ10 in supplement form is not absorbed into the blood stream at significant levels. Ideally, to increase the absorption of CoQ10, complete molecular dispersion would be the goal.

Nano Technology

Nano technology is one of the world's hottest areas of research. Nano technology has the potential to revolutionize virtually every aspect of our society. Until now, only pharmaceutical companies have been able to adapt these principles to actual consumer products. Now, Pharmanex has been able to tap into this huge area of research by adapting cyclodextrin

polysaccharides to "nano-ize" CoQ10 molecules. Cyclodextrin is a doughnut-shaped polysaccharide with a hydrophobic inner core and a hydrophilic outside portion. Eight amylose molecules in a ring conformation provide the perfect size for one molecule of CoQ10 to fit inside. With the right mixing protocol, this is exactly what happens. Since every single molecule of CoQ10 is wrapped in an individual microcapsule with a hydrophilic exterior, there is complete molecular dispersion of the CoQ10. With complete molecular dispersion, the surface area of CoQ10 is maximized as is its contact with the lining of the gastrointestinal tract. The CoQ10 is absorbed through the gut, and the ring of amylose is left behind where it is degraded by enzymes in the upper gut.

Nanotechnology can best be considered as a 'catch-all' description of activities at the level of atoms and molecules that have applications in the real world. A nanometer is a billionth of a meter, approximately 1/80,000 of the diameter of a human hair, or 10 times the diameter of a hydrogen atom.

NanoCoQ10®: Contains CoQ10 Derived From Nano Technology

Pharmanex's breakthrough NanoCoQ10® utilizes this cutting-edge nano technology to deliver CoQ10 that is up to 10 times more bioavailable than other forms of powdered or supplemental CoQ10. Consumers can not only expect the potent cardiovascular, cognitive and antioxidant benefits of CoQ10, but they can also expect to absorb more of this vital nutrient from NanoCoQ10® than they could from other CoQ10 products on the market.

Primary Benefits

- Strengthens heart muscle function and cardiac output without negative side effects*
- Helps with age-related loss of mental function*
- Promotes cardiovascular health*
- Provides powerful protection against free radical damage in mitochondria*

*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.

NanoCoQ10[®]

- Recycles vitamin E in the body, bolstering our antioxidant defense network*
- Supports healthy skin by providing protection against UV radiation and supporting the skin's antioxidant network*

What Makes This Product Unique?

- Essential coenzyme catalyst for the production of ATP that fuels energy
- Utilizes cutting-edge monomolecular nano technology
- More bioavailable than powdered CoQ10

Who Should Use This Product?

NanoCoQ10[®] is intended for adults who want help in maintaining normal cardiac and cognitive function, for those concerned with age-related decline in CoQ10 levels, for those concerned with the effects of free radicals and who desire potent antioxidant protection, and finally for those who wish to support their body's normal process of energy production*.

Did You Know . . .

- CoQ10's chemical structure is similar to that of vitamin E.
- CoQ10 production in the body peaks at around age 20 after which it begins to decline.

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Frequently Asked Questions

What is NanoCoQ10[®]?

NanoCoQ10[®] utilizes a proprietary delivery form in which Coenzyme Q10 is wrapped in cyclodextrin. With an exclusive mixing protocol, every single molecule of CoQ10 is wrapped in its own individual hydrophilic micro-capsule there is complete molecular dispersion of the CoQ10. With complete molecular dispersion, the surface area of CoQ10 is maximized as it is readily absorbed through the gut.

Why is it important to have healthy levels of CoQ10?

In humans, CoQ10 levels reach their peak in most tissues by the age of 20 and then fall slowly thereafter. The level of CoQ10 found in plasma has been proposed as a marker of oxidative stress. Oxidative stress has been defined as a disturbance in the body's pro-oxidant/antioxidant balance in favor of pro-oxidants. CoQ10 has been shown in human clinical studies to promote skin, heart and cognitive health benefits*.

Is this product safe?

NanoCoQ10[®] is safe at the recommended usage.

Are there any known drug interactions?

If you are pregnant or lactating, or taking a prescription medication, or allergic to any component of this product, please consult a physician prior to use. CoQ10 does have an effect on the metabolism of the anti-cancer drug adriamycin (ADM). CoQ10 supplementation should not be administered during chemotherapy when adriamycin is being administered.

Key Scientific Studies

1. Soja AM, Mortensen SA. [Treatment of chronic cardiac insufficiency with coenzyme Q10, results of meta-analysis in controlled clinical trials] Ugeskr Laeger. 1997 Dec 1;159(49):7302-8.
2. Beal MF, Shults CW. Effects of Coenzyme Q10 in Huntington's disease and early Parkinson's disease. Biofactors. 2003;18(1-4):153-61.

Supplement Facts

Serving Size 1 Capsule

Amount Per Serving		% Daily Value
Vitamin E (from Mixed Tocopherols)	15 IU	50%
Coenzyme Q10 (Ubiquinone)	30 mg	**

**Daily Value not established.

Directions for Use

As a dietary supplement take one (1) capsule daily with food.

Warnings

Keep out of reach of children. If you are pregnant or lactating, or taking anticoagulants, antithrombotics, or other prescription medication, please consult a physician before taking this product. Do not use if safety seal is broken or missing.

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