**CONNECT WITH**

**Solgar’s CoQ-10**

**Energy Production** *

**Heart Health** *

**Antioxidant Support** *

*KanekaQ10™ and KanekaQH™ are registered trademarks of Kaneka Corporation.

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.*
CoQ-10 plays a key role in energy production and contributes to the body’s total energy levels.*
What Is CoQ-10?

Coenzyme Q-10 (CoQ-10) is a vitamin-like nutrient that plays a key role in energy production in every cell; in the process, it collectively contributes to the body’s total energy levels.* CoQ-10 also functions as an antioxidant and assists in protecting cells from free radical damage.* Additionally, it helps support heart and brain health.*

Ubiquinone is the chemical name for the most common supplemental form of CoQ-10. The body routinely converts ubiquinone to ubiquinol, the reduced form of CoQ-10 that is sometimes incorrectly referred to as the “active” form. Both ubiquinone and ubiquinol are active and required for biochemical reactions within cells and play vital roles in energy production and heart health.*

Some people cannot optimally convert ubiquinone to ubiquinol in their cell membranes for full antioxidant protection.*¹ They might prefer to supplement with ubiquinol because it can be easily assimilated since it does not require conversion.

WHO SHOULD CONSIDER TAKING CoQ-10 SUPPLEMENTS?

- Those looking for antioxidant and energy support*
- Those seeking to support heart and brain health*
- Those taking cholesterol-lowering statin medications*
- Those concerned with aging
- Vegetarians (CoQ-10 is naturally found in foods, predominantly in meat and fish)

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
CoQ-10 and Energy Production*

Found in all tissues of the body, CoQ-10 plays a major role in the production of adenosine triphosphate (ATP), the chemical form of energy in the body. This process takes place in tiny cell structures called mitochondria, where the body continuously converts ubiquinone to ubiquinol back and forth many times a second.2,3 The most energetic cells of the body—heart, skeletal muscles, brain, and liver—contain the largest numbers of mitochondria and consequently have the greatest biological requirements for CoQ-10.

Studies have demonstrated that CoQ-10 supplements can boost energy levels, enhance stamina, and improve recovery time after exercise.* In one study, researchers reported that people were able to cycle faster and have quicker recovery times after just one week of taking 300 mg of CoQ-10 daily.4 Another study found that both trained and untrained men and women had greater endurance after taking 200 mg of CoQ-10 daily for two weeks.5 In addition, a medical journal report described how CoQ-10 supplements led to improved energy levels among octogenarians.6

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
Studies indicate that CoQ-10 supplements can boost energy levels, enhance stamina, and improve recovery time after exercise.*
Without CoQ-10, the heart’s energy supply would be greatly diminished.*
CoQ-10 and Heart Health*

The heart has enormous energy requirements; it beats 100,000 times each day, 37 million times a year, and 2.5 billion times in a lifetime. All of this activity depends in part on the presence of CoQ-10 in heart cells. Without CoQ-10, the heart’s energy supply would be greatly diminished.* In addition, the heart may be especially prone to a reduction in CoQ-10 levels as we age.7 Studied for more than 30 years, research supports the positive role CoQ-10 plays in promoting heart health.*8-10

Statin-class cholesterol-lowering drugs may deplete CoQ-10 levels in some people and therefore increase their CoQ-10 requirements. Statins work by inhibiting an enzyme known as HMG CoA reductase, which regulates production of both cholesterol and CoQ-10. Thus, when statins lower cholesterol production, they also reduce CoQ-10 production.

**NOTE:** CoQ-10 is not intended to serve as a replacement for Statin Therapy, nor should you discontinue taking any prescribed medications while supplementing with CoQ-10.

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
CoQ-10 and Antioxidant Support*

Free radicals, or oxidants, damage cells and contribute to the aging process. Antioxidants protect against much of this damage. As a fat-soluble antioxidant, CoQ-10 helps protect against free radical damage in fatty tissue, such as cell membranes. It also enhances the activity of other antioxidants.

CoQ-10 and Aging*

CoQ-10 levels may decline as we age. Considerable evidence indicates that decreased production of ATP by mitochondria plays a role in the aging process.11-14 Because CoQ-10 is crucial for the production of ATP, CoQ-10 may support healthy aging.*

CoQ-10 and Brain Health*

Studies indicate that CoQ-10 may promote brain and nervous system health.15-19

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
CoQ-10 helps protect against free radical damage and enhances the activity of other antioxidants.*
Solgar’s CoQ-10 products are available in a broad range of potencies.
What’s So Special about Solgar’s CoQ-10?

For more than 60 years, quality has been Solgar’s guiding principle. Everything we do—from choosing the finest natural raw materials, to state-of-the-art manufacturing, to the premium product that appears on the shelf—must meet our own Gold Standard™ of excellence.

That’s why Solgar’s CoQ-10 formulas supply KanekaQ10™, an all-natural, clinically researched form of CoQ-10 bio-identical to the kind produced in the body. Made in the U.S. and studied for more than 30 years, KanekaQ10™ is sourced from fermented yeast unlike most CoQ-10 products which are derived from tobacco or bacteria. Solgar also offers KanekaQH™ ubiquinol, which is made from KanekaQ10™.

Solgar’s CoQ-10 products are available in kosher-certified and vegetarian formulas, vegetable capsules and softgels, and a broad range of potencies from 30 mg–600 mg. Solgar also offers Megasorb formulas which provide CoQ-10 in a base of rice bran oil to promote enhanced absorption.* Plus, Solgar’s CoQ-10 formulas are free of gluten, wheat, and dairy.

For more information on Solgar’s CoQ-10 products, please visit www.solgar.com.

KanekaQ10™ and KanekaQH™ are registered trademarks of Kaneka Corporation.

*This statement has not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.
REFERENCES:


© 2010 Solgar Vitamin and Herb