



BioActive Q10 Uniqinol®

What is BioActive Q10 Uniqinol?

BioActive Q10 Uniqinol is a capsule preparation with the active form of Q10 (ubiquinol) dissolved in vegetable oil. The product is aimed at those who because of their age or health problems may not be able to benefit fully from regular Q10.

What is active Q10?

Active Q10 is coenzyme Q10 in its so-called reduced form. In the human body, Q10 is available in two chemical forms that are closely related, chemically speaking: Regular, oxidized Q10, and reduced "active" Q10. Once Q10 gets absorbed in the body, most of it gets converted from the regular form to the active form. In young and healthy individuals 90-95% of the body's Q10 is in the form of active Q10.

Dietary supplements with active Q10 have one drawback, as it oxidizes once it is exposed to oxygen and returns to its original form, ubiquinone. By means of a special manufacturing process, however, Pharma Nord has succeeded in encapsulating the raw material in a way that allows it to remain in its active form.

Why two forms of Q10?

Most people are able to absorb normal Q10 via an enzymatic system in the digestive tract. With increasing age and as a result of certain health conditions, however, this enzyme function becomes impaired. Q10 in its active form does not need to undergo this enzymatic conversion and for that reason the active ingredient in BioActive Q10 Uniqinol helps this group of people to an improved absorption of the compound.

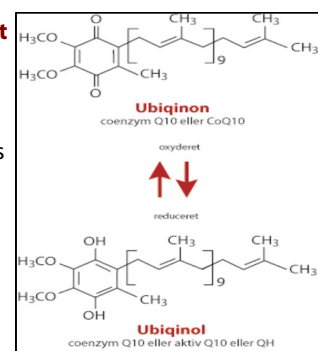
- BioActive Q10 Uniqinol contains Q10 in vegetable oil in soft, light-proof gelatin capsules. Studies document that this unique formula provides superior

bioavailability

- The Q10 raw material in BioActive Q10 Uniqinol is identical with the active form of Q10 that is synthesized in the human body (i.e. 100% nature-identical)
- The form of Q10 used in BioActive Q10 Uniqinol is the natural, all-trans form that is entirely devoid of synthetic cis-isomers. In addition, it does not contain any pollutants that may occur in other Q10 raw materials
- Both the Q10 raw material and the vegetable oil in BioActive Q10 Uniqinol are non-GMO
- BioActive Q10 Uniqinol is manufactured in accordance with pharmaceutical standards. This guarantees consumers a product with high quality, safety, and effect.
- The prize-winning BioActive Q10 Uniqinol has become a success in all the countries where the product has been introduced because of its good effect and excellent safety profile
- Pharma Nord's Q10 can document its good bioavailability and quality. This documentation applies to both the regular Q10 and the active form.

Who will benefit the most from active Q10?

- People older than 50-60 years of age
- People with low levels of Q10 in the body
- People who are unable to obtain sufficient blood levels of Q10 using ordinary Q10



BioActive Q10 Uniqinol

1 capsule contains:

Ubiquinol - coenzyme Q10	50 mg	
Vitamin C	12 mg	15%

%RDA*

Ingredients

Vegetable oil, gelatin, glycerol, coenzyme Q10 (ubiquinol), caramel, purified water, vitamin C (as ascorbic acid), titanium dioxide, mixture of tocopherols.

Dissolved in vegetable oil in soft gelatin capsules.

*RDA= Recommended Daily Allowance

Dosage

1 capsule daily, unless otherwise advised.
Do not exceed the recommended daily dosage.
Swallow whole, preferably during/after a meal.
Dietary supplements is no substitute for a varied diet.
A healthy lifestyle and a varied balanced diet is important for maintaining good health.

Storage

Dark, dry and at room temperature.
Keep out of reach of young children.

Improved absorption

The good absorption of the Bio-Quinone Q10 is further improved with BioActive Q10.

By using Ubiquinol Q10 you need no activating enzymes in the gut. It is pre-activated and without this intermediate step it can be utilized directly in the body. This leads to faster and better absorption and results from BioActive Q10 Uniqinol.

Especially old people, smokers and those with chronic conditions have a reduced conversion of ubiquinone to ubiquinol. This directly available form of Q10 is recommended for these groups.

What is coenzyme Q10?

Coenzyme Q10 is also known as ubiquinone (ubi is short for "ubiquitous" meaning "everywhere"). Coenzyme Q10 (or just Q10) is a vitamin-related substance with a crucial role in the cellular energy metabolism. Q10 actively supports the conversion of fat, carbohydrate, protein, and alcohol to ATP (adenosine triphosphate), the molecule that stores energy in its chemical form. When a cell needs energy it cleaves the ATP molecule, releasing the energy that is trapped inside.

The entire process takes place inside the cells in some small, bean-shaped structures (mitochondria). Muscle cells are particularly dependent of energy for which reason they contain substantially more mitochondria than other cell types. The heart muscle is a good example of body tissue with cells that have high mitochondrial density, simply because there is such demand for energy.



Ubiquinone or ubiquinol?

Both forms of Q10, ubiquinone and (active) ubiquinol, are present in the body. Normally, we are able to convert ubiquinone to ubiquinol but this ability becomes reduced with age or as a result of certain health problems.

It used to be that Q10 preparations were only available with ubiquinone but now the active ubiquinol form is also on the shelves. This form of the substance appeals

to older people or those who, for some reason, are less able to convert Q10 in the body. Studies have shown that many individuals who fail to benefit from regular ubiquinone obtain an effect by switching to ubiquinol.

The ubiquinol test

In contrast to ubiquinone with its characteristic yellow color, ubiquinol is completely light (almost white). A good way to test products with ubiquinol is to pierce the capsule and squeeze out its content. If it is white, it is ubiquinol. If it is yellow, it is not ubiquinol.

Good Q10 sources

Q10 is found in different types of food with the best sources being things like:

- beef
- herring
- sardines
- pork
- soy oil

The reason why Q10 cannot be called a vitamin is that the body is able to synthesize it. The endogenous production of Q10 takes place in the liver. As we grow older and also as a result of certain diseases, our body's ability to synthesize Q10 tapers off. Experts estimate that the body's Q10 levels peak around the age of 20-25 years. From this point, the body's production of Q10 starts to decline.

Although it has not been established officially, the diet is thought to provide around 5-20 mg of Q10 daily. The body has a Q10 "buffer" of around 1 to 1.5 grams. The major part of it is stored in the heart, liver, and kidneys.

Q10 and cholesterol, a substance that is also produced in the liver, share the same chemical pathway. Studies have shown that certain cholesterol-lowering drugs inhibit the body's natural production of Q10.

A very safe substance

Studies show that even if you take supplements of Q10 for an extended length of time it does not affect the body's endogenous production of the compound. Some studies have used doses of up to 1,200 mg daily without any problems. More than 20 years of science support the use of Pharma Nord's Q10.

- **Ordinary Q10 = oxidized Q10 = Ubiquinone**
- **Active Q10 = reduced Q10 = Ubiquinol**