

# Ubiquinol and the Body

Ubiquinol is the active antioxidant form of Coenzyme Q10. It is responsible for the powerful benefits traditionally associated with CoQ10.\*

Over 95% of the total CoQ10 in the plasma of a healthy individual is in the active form – ubiquinol.\*

Ubiquinol is considered to be one of the strongest lipid soluble antioxidants, providing an active defense against oxidative insult to lipids, proteins and DNA.\*

Ubiquinol is a critical component of ATP (energy) production in every cell of your body. Only when ubiquinone (CoQ10) is converted to ubiquinol does it support ATP production.\*

## The Kaneka Ubiquinol® Difference

- Made in the USA and Japan
- Kosher Certified
- Compliant with USP monograph
- Allergen free
- Self-affirmed GRAS
- Fermented from yeast
- Subject of 60+ research studies

\*These statements have not been evaluated by the Food and Drug Administration. The product is not intended to diagnose, treat, cure, or prevent any disease.

Kaneka Ubiquinol®  
is available as:

Pure Crystalline Powder

### Product Applications

- Softgels
- Liquid capsules
- Other light & oxygen-controlled environments

### Packaging

- 1 kg or 5 kg units
- Minimum order quantity: 1 kg

### New Structure Function Statements

#### Male Health

- Preliminary evidence suggests ubiquinol may support sperm health\*

#### Heart Health

- Ubiquinol supplementation is shown to improve GGT, a marker of a healthy heart\*

#### Quality of Life

- Ubiquinol can help support a better quality of life in older women\*

#### Exercise

- Short-term ubiquinol supplementation can reduce oxidative stress associated with strenuous exercise\*

† QOL is a general term that may include mood, sense of optimism, energy levels, general health and freedom from pain, etc. depending on the study design. QOL is generally measured by patient self-reporting using a validated QOL questionnaire.

## Kaneka Ubiquinol<sup>®</sup>

### Featured Structure Function Statements

#### General Statements

- Ubiquinol is the predominant form of CoQ10 in a healthy body\*
- In a healthy adult, 95% or more of the total CoQ10 (ubiquinone + ubiquinol) in the body is in the ubiquinol form\*
- Ubiquinol is found in every cell of the body\*

#### Heart Health

- Helps to maintain and promote a healthy heart\*
- Promotes cardiovascular health\*

#### Absorption & Bioactivity

- Ubiquinol is the pre-converted, active form of CoQ10\*
- Ubiquinol is ideal for current CoQ10 users looking for increased efficacy and superior absorption\*
- In every study to date, ubiquinol has been consistently shown to be more absorbable than conventional CoQ10\*

#### Safety

- Kaneka Ubiquinol<sup>®</sup> has been proven safe in extensive testing on human subjects\*

#### Antioxidant

- Ubiquinol provides antioxidant support that CoQ10 cannot provide\*
- The most powerful known lipid-soluble antioxidant\*
- Helps prevent free-radical damage\*
- Ubiquinol is the only known lipid soluble antioxidant synthesized in the body\*
- More effective than lipid-soluble vitamin E in fighting free radicals\*

#### Energy

- Supports energy (ATP) production\*
- When ubiquinone (CoQ10) is converted to ubiquinol, it supports energy (ATP) production\*
- Ubiquinol is required for energy production in the cell\*

#### Aging & Conversion

- Preliminary studies have shown that the CoQ10 balance (ubiquinol/total CoQ10) is affected by aging and chronic disease\*

#### Physical & Chemical Properties:

#### Common Name

- Ubiquinol

#### Appearance

- White to pale yellow crystalline powder

#### Melting Point

- Approx. 49.5° C (about 121.1° F)

#### Solubility

- Water — Practically insoluble
- Oil — Soluble

#### Stability

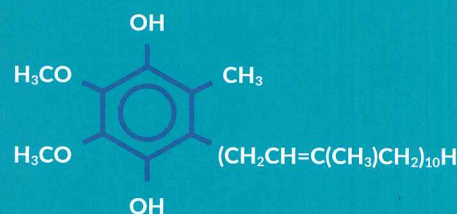
- 4 year shelf life

Ubiquinol is easily oxidized in air and converted back to ubiquinone (CoQ10). It is likely to change in quality by the influence of moisture absorption, heat or light.

#### Molecular Formula



#### Chemical Structure



#### Support

Register at [www.kanekanutrients.com](http://www.kanekanutrients.com) for additional product information and application notes.