



**Kaneka  
UBIQUINOL®**

FOR HEALTHY AGING

Active antioxidant form of CoQ10

## Kaneka Ubiquinol® Amplifying Healthy Aging

**Kaneka Ubiquinol®, manufactured exclusively by Kaneka Nutrients, supports healthy aging processes.**

Ubiquinol, the active antioxidant form of coenzyme Q10 (CoQ10), is found naturally throughout our cells, tissues, and organs and is essential for cellular function. It helps protect against premature aging while promoting physiological processes vital for healthy aging.

**Ubiquinol plays a crucial role in neutralizing harmful free radicals, reducing oxidative stress in the body, and protecting cellular integrity.** It also helps to maintain mitochondrial health, promoting the efficiency of the mitochondrial electron transport chain (ETC) to ensure effective energy production and facilitate other cell-critical mitochondrial functions.<sup>1,2</sup>

However, **natural ubiquinol levels and antioxidant mechanisms decline with age and are affected by lifestyle factors that can exacerbate oxidative stress.**<sup>3,4</sup> The cumulative effects of aging, environmental exposures such as pollution, and lifestyle choices like poor diets can intensify oxidative stress, which is associated with changes relevant to healthy aging processes.<sup>5</sup>

### The Impact of Mitochondrial Health on Healthy Aging

**Maintaining mitochondrial health and proper function is vital for supporting healthy aging.**

Mitochondria are cell structures that act like powerhouses inside cells, generating most of the energy needed for cell activities.<sup>2</sup> They are also the primary source of free radical production.<sup>6</sup>

In addition to their role in cellular energy production, **mitochondria have a number of other roles that are critical for cellular homeostasis and the health of the body as a whole.**

These include mitochondrial repair, programmed cell death, redistribution of mitochondrial resources, and flow of key small molecules, all of which are **essential to maintaining overall wellness.** Disruption of these functions has been associated with biological aging.<sup>1,7,8</sup>

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.



**The role mitochondria play in cellular energy production:**

- The ETC in mitochondria is key for energy production.
- Through the ETC, mitochondria convert nutrients into adenosine triphosphate (ATP), the main energy currency for cellular functions.



**Mitochondria's role beyond energy production<sup>1,7,8</sup>:**

- **Mitochondria initiate repair mechanisms,** including a process known as "programmed cell death" to prevent the spread of damage, while recycling usable mitochondrial fragments.
- They also govern the flow of small molecules, **maintaining cell homeostasis.**
- In addition, **they regulate the expression of certain genes,** including those involved in the immune response.

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## Formats

Kaneka Ubiquinol® is available as a pure crystalline powder for use in the following product applications:

- Softgels
- Gummies
- Cap-within-cap
- Liposomal formulations
- Liquid capsules
- Other light and oxygen-controlled environments

Kaneka Ubiquinol® is also available in an air-stable form as Q30®, a 30% Ubiquinol powder. Additional applications include:

- Stick packs
- Sachets
- Soft chews

## Packaging

- 1 kg or 5 kg units
- MOQ: 1 kg
- Q30® MOQ: 3 kg



## Safety

Kaneka Ubiquinol® has a well-established safety profile as demonstrated by extensive clinical trial data.

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## The Role Kaneka Ubiquinol® Plays in Healthy Aging

Given its roles in antioxidant activity and mitochondrial function, and declining levels of naturally occurring ubiquinol over the lifespan, **maintaining adequate ubiquinol levels becomes increasingly important with age.** As the only lipid-soluble antioxidant produced in the body and concentrated in mitochondria, **ubiquinol helps manage oxidative stress where it naturally occurs.**

Supplementation with Kaneka Ubiquinol®, the active antioxidant form of CoQ10, supports mitochondrial and cellular function and homeostasis—key factors in healthy aging. Clinical studies demonstrate that maintaining adequate serum ubiquinol levels in adults supports:



Cardiovascular health<sup>9</sup>



Muscle health in older adults<sup>10</sup>



Physical functioning in older adults<sup>10,11</sup>



General health and well-being during and after menopause<sup>12,13</sup>

## Absorption and Bioactivity



Kaneka Ubiquinol® has been shown to be **2x better absorbed than a conventional CoQ10 supplement.**<sup>14</sup>



Research demonstrates that 200 mg of Kaneka Ubiquinol® **increases ubiquinol levels by approximately 8x** compared to baseline in healthy adults when taken daily for at least 30 days.<sup>15</sup>

Unlike conventional CoQ10 supplements, **Kaneka Ubiquinol® requires no conversion in the body to perform its antioxidant functions,** making it more readily available for the body to utilize.<sup>9,16</sup>

For those already using CoQ10, **switching to Kaneka Ubiquinol® may offer enhanced absorption and bioavailability.**

## The Kaneka Ubiquinol® Difference

Made in the USA

Fermented from non-GMO yeast

Subject of 85+ research studies

Kosher certified and allergen free

Self-affirmed GRAS

Bioidentical to the body's natural ubiquinol

Compliant with USP monograph

Supporting 200+ brands

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