

# Aging Well Starts at the Cellular Level. Kaneka Ubiquinol® Helps.

Promote healthy aging with antioxidant support



## CoQ10 balance changes with age<sup>1,2</sup>

Converting CoQ10 between ubiquinone and ubiquinol is **key to cellular energy production and antioxidant defense**.<sup>3,4</sup>

In healthy adults, **~95%** of circulating CoQ10 is ubiquinol.<sup>5,6</sup>

**With age, ability to perform this conversion weakens**,<sup>1,2</sup> ubiquinol levels decline,<sup>1</sup> and antioxidant defenses are reduced.<sup>7</sup> This results in an increase in oxidative stress,<sup>8</sup> a key factor in premature aging.<sup>9</sup>

## For long-term wellness for patients, go beyond conventional CoQ10

Ubiquinol, the active antioxidant form of CoQ10, is vital to producing cellular energy and neutralizing oxidative stress.<sup>3,9-12</sup>

Unlike the form of CoQ10 in conventional supplements, Kaneka Ubiquinol®:

- **Requires no conversion** to perform its antioxidant functions<sup>9,13</sup>
- Offers **enhanced absorption and bioavailability**<sup>14</sup>
- Is **3x better absorbed**<sup>15,16</sup>



## Kaneka Ubiquinol® promotes healthy aging<sup>9</sup>

### Protects against

- Oxidative stress<sup>9</sup>
- Lipid peroxidation<sup>9</sup>
- Premature aging<sup>9</sup>

### Supports healthy

- Antioxidant defense system<sup>7,9</sup>
- Ubiquinol/CoQ10 balance<sup>1,9</sup>
- Endothelial function<sup>9,12</sup>

**Abbreviation:** CoQ10, coenzyme Q10.

**\*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.**



# Kaneka Ubiquinol®: Trusted Worldwide for Quality, Safety, and Authenticity

**100+**

published  
human clinical  
studies

**50 years**

of CoQ10  
research and  
testing

Trusted by

**200+**  
brands



**Bioidentical**  
to the body's  
natural ubiquinol



**Made in the USA**  
in a state-of-the-art  
facility

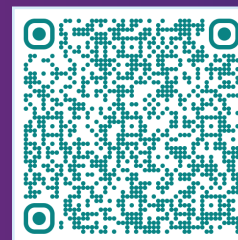


**Tell your patients  
to look for the  
Kaneka Quality Seal**

To ensure authenticity and the highest quality, tell your patients to look for the Kaneka Quality Seal on supplement packaging and the name "Kaneka Ubiquinol®" in the Supplement Facts panel.

**Scan to request  
Kaneka Ubiquinol®  
samples.**

Visit [hcp.ubiquinol.org](http://hcp.ubiquinol.org)  
to learn more.



**REFERENCES:** **1.** Wada H, Goto H, Hagiwara S, Yamamoto Y. Redox status of coenzyme Q10 is associated with chronological age. *J Am Geriatr Soc.* 2007;55(7):1141-1142. **2.** Niklowitz P, Onur S, Fischer A, et al. Coenzyme Q10 serum concentration and redox status in European adults: influence of age, sex, and lipoprotein concentration. *J Clin Biochem Nutr.* 2016;58(3):240-245. **3.** Martini FH, Nath JL, Bartholomew EF. Metabolism, nutrition, and energetics. In: *Fundamentals of Anatomy and Physiology*, 12th ed. Pearson Education; 2024:943-950. **4.** Navas P, Villalba JM, de Cabo R. The importance of plasma membrane coenzyme Q in aging and stress responses. *Mitochondrion.* 2007;7(suppl):S34-S40. **5.** Tang PH, Miles MV, DeGrauw A, Hershey A, Pesce A. HPLC analysis of reduced and oxidized coenzyme Q(10) in human plasma. *Clin Chem.* 2001;47(2):256-265. **6.** Yamashita S, Yamamoto Y. Simultaneous detection of ubiquinol and ubiquinone in human plasma as a marker of oxidative stress. *Anal Biochem.* 1997;250(1):66-73. **7.** Schniertshauer D, Gebhard D, Bergemann J. Age-dependent loss of mitochondrial function in epithelial tissue can be reversed by coenzyme Q10. *J Aging Res.* 2018;2018:6354680. **8.** Bentinger M, Brismar K, Dallner G. The antioxidant role of coenzyme Q. *Mitochondrion.* 2007;7(suppl):S41-S50. **9.** Sabbatinelli J, Orlando P, Galeazzi R, et al. Ubiquinol ameliorates endothelial dysfunction in subjects with mild-to-moderate dyslipidemia: a randomized clinical trial. *Nutrients.* 2020;12(4):1098. **10.** Littarru GP, Tiano L. Bioenergetic and antioxidant properties of coenzyme Q10: recent developments. *Mol Biotechnol.* 2007;37(1):31-37. **11.** Ernster L, Forsmark-Andrée P. Ubiquinol: an endogenous antioxidant in aerobic organisms. *Clin Invest.* 1993;71(8 Suppl):S60-S65. **12.** Alleva R, Tomasetti M, Bompadre S, Littarru GP. Oxidation of LDL and their subfractions: kinetic aspects and CoQ10 content. *Mol Aspects Med.* 1997;18(suppl):S105-S112. **13.** Kubo H, Yamamoto Y, Fujisawa A. Orally ingested ubiquinol-10 or ubiquinone-10 reaches the intestinal tract and is absorbed by the small intestine of mice mostly in its original form. *J Clin Biochem Nutr.* 2023;72(2):101-106. **14.** Langsjoen PH, Langsjoen AM. Comparison study of plasma coenzyme Q10 levels in healthy subjects supplemented with ubiquinol versus ubiquinone. *Clin Pharmacol Drug Dev.* 2014;3(1):13-17. **15.** Hosoe K, Kitano M, Kishida H, et al. Study on safety and bioavailability of ubiquinol (Kaneka QH) after single and 4-week multiple oral administration to healthy volunteers. *Regul Toxicol Pharmacol.* 2007;47(1):19-28. **16.** Ikematsu H, Nakamura K, Harashima S, Fujii K, Fukutomi N. Safety assessment of coenzyme Q10 (Kaneka Q10) in healthy subjects: a double-blind, randomized, placebo-controlled trial. *Regul Toxicol Pharmacol.* 2006;44(3):212-218.

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