

The Benefits of Ubiquinol

Supporting Wellness Cell By Cell

Ubiquinol, the active antioxidant form of coenzyme Q10 (CoQ10), plays a significant role in the production of cellular energy, supporting mitochondrial function and cellular health. Through its antioxidant mechanism, it protects against oxidative stress, supporting overall health, cardiovascular wellness, healthy aging, preconception health, and menopausal health.

However, ubiquinol levels taper off with age and as a result of cumulative environmental stress. At the same time, the increase of free radicals associated with aging can contribute to oxidative stress, which may impact mitochondrial and cellular function, leading to to common conditions associated with aging.

The Benefits of Kaneka Ubiquinol[®] Supplementation

Supplementing with ubiquinol can replenish the body's ubiquinol levels, providing powerful antioxidant protection at the cellular level. 2x 8X 0% Kaneka Ubiquinol[®] has been shown to be **2x better absorbed** than conventional CoQ10.¹

In a clinical study, healthy adults taking 200 mg of Kaneka Ubiquinol® daily for at least 30 days **increased their blood ubiquinol levels by approximately 8x** compared to baseline levels.²

Ubiquinol **requires no conversion in the body to perform its antioxidant functions**, making it readily available to provide protection at the cellular level.³

Supports Cardiovascular Wellness by:



Protecting LDL cholesterol from oxidation⁴⁵

> Enhancing nitric oxide (NO) production⁴

Promoting proper vasodilation and circulation⁴

Supporting the high-energy requirements of the heart^e

Promotes Healthy Aging

By helping maintain a healthy CoQ10 balance,⁴ which is essential for:



Cardiovascular health⁴



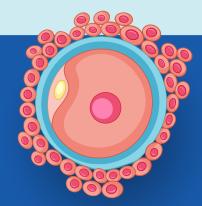
Muscle health in older adults⁷



Physical functioning in older adults^{7,8}



General health and well-being during and after menopause^{9,10}



Promotes female preconception health by supporting:

- Mitochondrial function
 essential for egg and oocyte health¹¹
- Mitochondrial synthesis of energy vital for egg and oocyte health¹¹
- + Cellular energy requirements for healthy egg and oocyte function¹²
- Mitigation of excess ROS, protecting reproductive cells from oxidative stress¹³

Supports male preconception health

- + In an open-label study, sperm motility improved by up to 26%¹⁴
- + In an open-label study, sperm counts increased by up to 53%¹⁴
- + Research also shows improvements in sperm morphology by up to 19%¹⁵



The Kaneka Ubiquinol[®]Advantage

50 years of ubiquinone and ubiquinol research and testing

ODT

Backed by 85+ published human clinical studies using Kaneka Ubiquinol[®]

17+ years of positive consumer experience with Kaneka Ubiquinol[®] supplementation



Free of impurities commonly found in synthetic CoQ10



Bioidentical to the ubiquinol naturally produced in the human body



Made in the USA

Read the White Paper





Nutrients.Sales@Kaneka.com KanekaNutrients.com

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.

References

- 1. Langsjoen PH, Langsjoen AM. Comparison study of plasma coenzyme Q10 levels in healthy subjects supplemented with ubiquinol versus ubiquinone. Clin Pharmacol Drug Dev. 2014 Jan;3(1):13-7.
- 2. 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.
- 3. 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):101-6.
- 4. 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.
- 5. Stocker R, Bowry VW, Frei B. Ubiquinol-10 protects human low density lipoprotein more efficiently against lipid peroxidation than does alpha-tocopherol. Proc Natl Acad Sci USA. 1991;88(5):16
- 6. LI, A., shami, G.J., Griffiths, L. et al. Glant mitochondria in cardiomyocytes: cellular architecture in health and disease. *Basic Res Cardiol.* 2023;118:39.
- 7. Fischer A, Onur S, Niklowitz P, et al. Coenzyme Q10 Status as a determinant of muscular strength in two independent cohorts. PLoS One. 2016;11(12):e0167124.
- 8. de la Bella-Garzón R, Fernández-Portero C, Alarcón D, et al. Levels of plasma coenzyme Q10 are associated with physical capacity and cardiovascular risk in the elderly. Antioxidants (Basel). 2022;11(2):279.
- 9. Kaneka Internal Report. Real-life UBIQUINOL study on 200 postmenopausal women. Expansion Consulteam. 2024. 10. Palacios S, Ramírez M, Lilue M, et al. Estudio clínico para conocer laeficacia de la Coenzima Q-1 O sobre la calidad de vida en mujeres postmenopáusicas. Toko-Gin Pract. 2019.78(1):3-7.
- 11. Bentov Y, Casper RF. The aging oocyte—can mitochondrial function be improved? Fertil Steril. 2013;99(1):18-22.
- 12. Ben-Meir A, Burstein E, Borrego-Alvarez A, et al. Coenzyme Q10 restores oocyte mitochondrial function and fertility during reproductive aging. Aging Cell. 2015;14(5):887-95.
- 13. Ben-Meir A, Yahalomi S, Moshe B, et al. Coenzyme Q-dependent mitochondrial respiratory chain activity in granulosa cells is reduced with aging. Fertil Steril. 2015;104(3):724-7.
- 14. Thakur AS, Litarru GP, Funahashi I, et al. Effect of Ubiquinol therapy on sperm parameters and serum testosterone levels in Oligoasthenozoospermic infertile men. J Clin Diagn Res. 2015;9(9):BC01-BC03.
- 15. Cakiroglu B, Eyyupoglu SE, Gozukucuk R, Uyanik BS. Ubiquinol effect on sperm parameters in subfertile men who have astheno-teratozoospermia with normal sperm concentration. Nephro Urol Mon. 2014;6(3):e16870.