

Ubiquinol and Women's Wellness: Supporting Mitochondrial Health



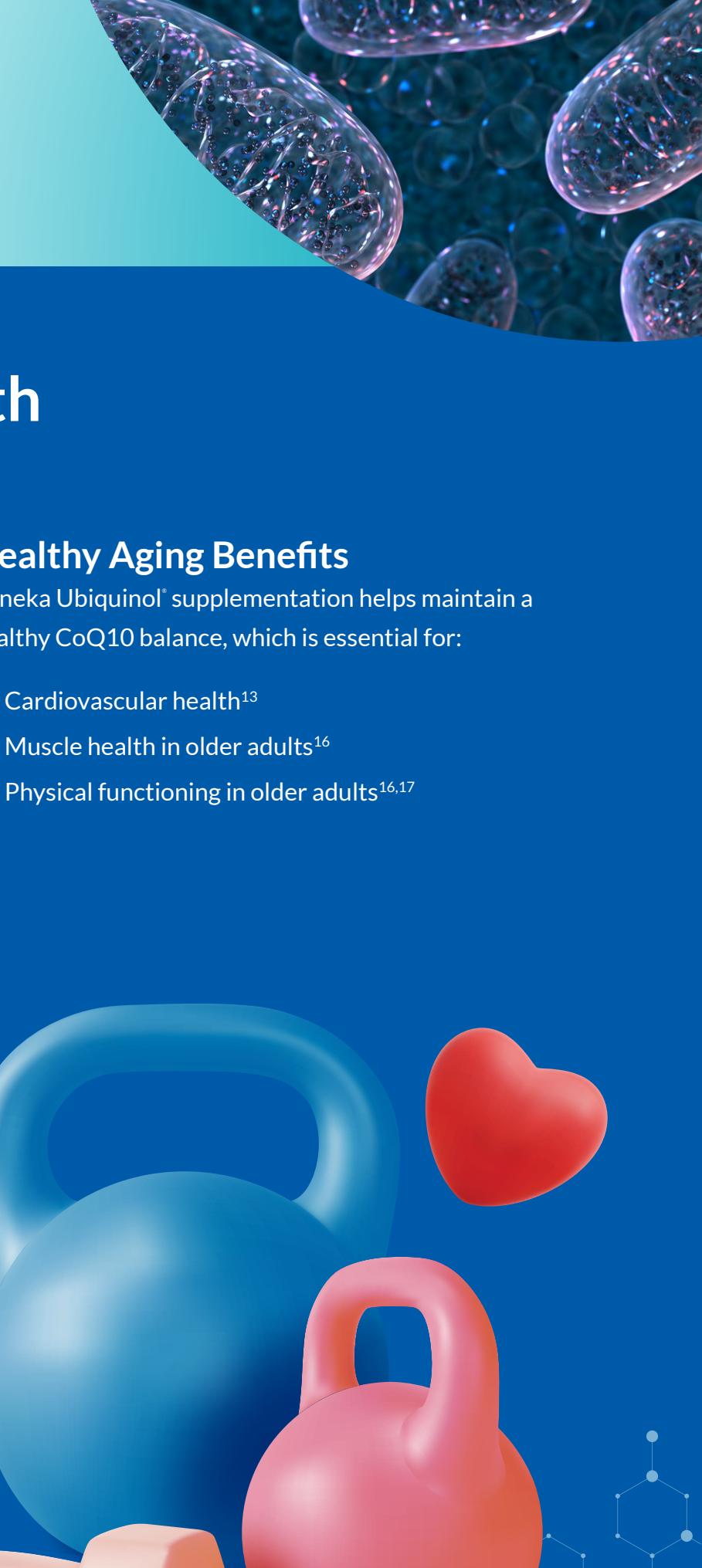
Ubiquinol, the active antioxidant form of coenzyme Q10 (CoQ10), plays a vital role in mitochondrial and cellular health by promoting cellular energy production and antioxidant action, thus supporting women's health throughout adulthood.

As ubiquinol levels decline with age, the increase of free radicals associated with aging can contribute to oxidative stress, which may affect mitochondrial and cellular function, leading to common conditions associated with aging.

Mitochondrial Health, Oxidative Stress, and Women's Health

Women's health is uniquely influenced by reproductive biology, monthly cycles, and menopause. The response of mitochondria to cellular energy demands and oxidative stress associated with these stages can affect overall health.

- Chronic oxidative stress affects mitochondrial function, influencing **how cells produce energy** and maintain homeostasis.¹
- Mitochondrial efficiency and oxidative stress may influence **ovarian reserve** and the availability of healthy eggs.^{2,3}
- Decreased estrogen levels** contribute to an increase in oxidative stress observed during menopause.⁴
- Reduced mitochondrial function and increased oxidative stress during the menopausal years are associated with **changes in lipid profiles** that can influence cardiovascular health.⁴
- Oxidative stress is linked to the **oxidation of LDL cholesterol** and cell membranes, which can affect vascular health and endothelial function, particularly with aging.^{5,6}



Ubiquinol and Women's Health

Preconception Health Benefits

Ubiquinol, a powerful, lipid-soluble antioxidant, supports:

- Mitochondrial function essential for egg health^{7,8}
- Cellular energy requirements for healthy oocyte and egg function^{7,8}
- Mitigation of excess ROS, protecting reproductive cells from oxidative stress⁹

Menopausal Well-Being Benefits

Kaneka Ubiquinol[®] supplementation is shown to:

- Support the high energy requirements of the heart¹²
- Protect LDL cholesterol from oxidation^{13,14}
- Support vessel health¹³
- Replenish CoQ10 blood levels depleted by statin cholesterol medicines¹⁵

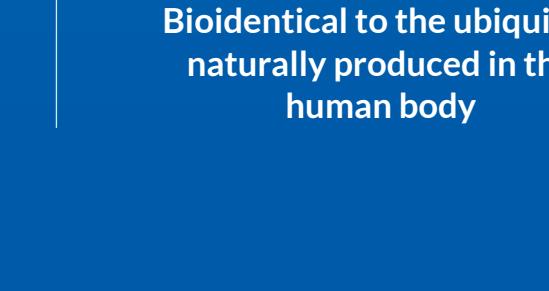
Healthy Aging Benefits

Kaneka Ubiquinol[®] supplementation helps maintain a healthy CoQ10 balance, which is essential for:

- Cardiovascular health¹³
- Muscle health in older adults¹⁶
- Physical functioning in older adults^{16,17}



Studies reveal that Kaneka Ubiquinol[®] is more bioavailable than conventional CoQ10 supplements and increases blood ubiquinol levels.



Unlike CoQ10, Ubiquinol requires no conversion to be absorbed in the body to perform its antioxidant functions.^{13,20}

Free of impurities commonly found in synthetic CoQ10

Bioidentical to the ubiquinol naturally produced in the human body

50 years of ubiquinone and ubiquinol research and testing

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