

MORE ENERGY, WHERE NEEDED



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UBIQSOME[®]

C O Q 1 0 P H Y T O S O M E [®]

ubiqsome[™]

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WHAT IS UBIQSOME®?

UBIQSOME® is the **optimized delivery form of coenzyme Q10**, formulated with the Phytosome® proprietary technology.

Coenzyme Q10 [CoQ10] - also known as ubiquinone or ubidecarenone - is an **essential endogenous cofactor for the electrontransport chain in the mitochondria**, and also exerts a fundamental antioxidant activity in the cells.

As the only known lipid antioxidant that can be synthesized by animal cells,¹ it exerts a **crucial role in the maintenance of cells bioenergetics** promoting therefore: **sport activities, healthy ageing, heart & cardiovascular health, brain health** and many other activities involving energetic expenditure.

Since the oral bioavailability of CoQ10 is quite poor, due to its high molecular weight and very low aqueous solubility, it has been **formulated with Phytosome® technology in order to optimize the bioabsorption of this important cofactor**.

SCIENTIFIC EVIDENCE

UBIQSOME® is supported by a **human double pharmacokinetics and 2 human efficacy study**.²⁻⁴

SPECIFICATIONS

UBIQSOME® is standardized to contain: **18-22% of coenzyme Q10** by HPLC.

RECOMMENDED USE AND DOSE

UBIQSOME® is a **brown yellow powder** and may be utilized in a **variety of supplement formulations**.

Suggested dose: **up to 500 mg/day**.

WHAT MAKES UBIQSOME® UNIQUE?

UBIQSOME® is the first and only CoQ10 formulation on the market to have been tracked down from oral administration to its real and sole target: the inner space of cells, where it is needed.

UBIQSOME® is also the **only patent pending⁵ CoQ10 formulation to benefit from Phytosome® technology**, for an optimized bioabsorption of the cofactor:

- in the pk studies, **UBIQSOME®** has been shown to **significantly optimize CoQ10 plasmatic levels in a dose dependant fashion** and to show **14-fold higher solubility** in intestinal simulated fluids;²
- in the human study on **over-50s healthy athletes performing a complete training session** in a climatic chamber, **UBIQSOME®** has been shown to **significantly optimize CoQ10 levels in plasma**;³
- for the **1st time in humans**, the **optimization of CoQ10 levels in muscular cells** has been demonstrated with two different analytical methods: **+37%** by HPLC and **+60%** by immunofluorescence;³
- moreover, a recent human study has also shown promising results, opening new possibilities for cardiovascular wellbeing: **UBIQSOME® could optimize the endothelial function (+7%) while reducing the oxidative stress (-27%)**.⁴

UBIQSOME® can be a **cost-effective solution** thanks to:

- **lower CoQ10 content**;
- **optimized bioabsorption** without relying upon expensive **capsulating technologies (like softgel)**;
- **industrial-scalable & versatile** finished oral dosage forms.

References

¹ Laredj, L.N. et al.; *Biochimie* 2014, 100, 78-87

² Petrangolini et al.; *Current Drug Delivery* [2019]

³ Indena paper in preparation NCT03893864

⁴ International Patent Application WO 2016/198576

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