

MORE ENERGY, WHERE NEEDED



 **indena**[®]
INDUSTRIA
DERIVATI
NATURALI

HEALTH - FOOD

UBIQSOME[®]

COQ10 PHYTOSOME[®]

ubiqsome[™]

Please note this documentation is available for various countries all over the world and hence it may contain statements or product classification not applicable to your country. The claims made are in reference to ingredients only, hence they do not refer to finished products and they may not comply with Regulation EC n. 1924/2006. The marketer of any finished product containing any ingredient is responsible for assuring that the destination of the product and the claims made for the finished product are lawful and comply with all applicable laws and regulations of the country or countries in which the product is to be sold.

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 a human efficacy study.**

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.**

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

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 pending⁴ 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
- moreover, **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

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.

indena.com

