

VALENS®

Q10VITAL®

WATER-SOLUBLE COQ10 COMPLEX WITH SUPERIOR BIOAVAILABILITY



ENHANCED BIOAVAILABILITY = THE KEY TO EFFECTIVE COQ10 SUPPLEMENTATION

When orally administered, standard CoQ10 has **limited bioavailability**: it is insoluble in water, it has limited solubility in lipids and it is poorly absorbed in the gastrointestinal tract[1].

CoQ10 bioavailability can be increased by modulating its formulation and solubility. Several forms have been proven to have **enhanced bioavailability**, amongst them **Q10Vital®**, ubiquinone complex with improved solubility, showing **remarkable results in several clinical studies**.

4-TIMES BETTER ABSORPTION RATE

As a special water-soluble ubiquinone complex, Q10Vital® has **4-times better bioavailability** compared to basic CoQ10 which has been proven with three different independent bioequivalence clinical studies.

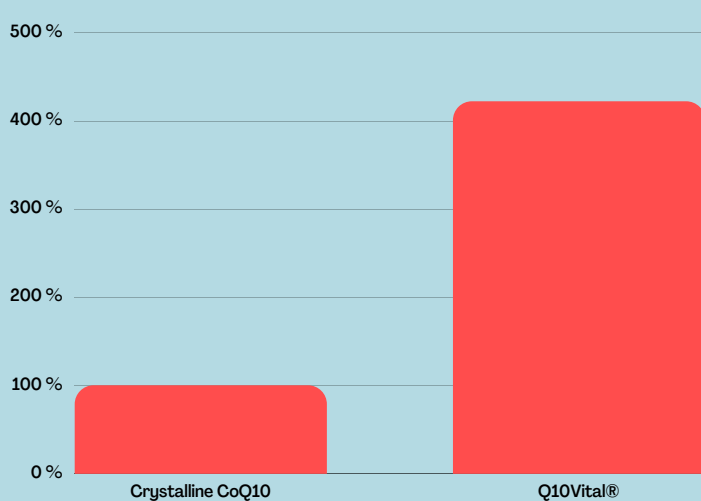


Chart: Bioavailability of Q10Vital® is significantly higher (4-fold) compared to crystalline (basic) CoQ10[2].



REVOLUTIONARY RESULTS OF THE NEWEST BIOEQUIVALENCE STUDY

First clinical study conducted on older population

For decades it was believed that the ubiquinol form was superior to ubiquinone in terms of bioavailability, absorption, cellular redox activity and overall efficiency, especially with older adults. Although the **beneficial effects** of CoQ10 supplementation are pronounced in an **older population**, most studies of CoQ10 bioavailability conducted thus far have been on younger population.

Valens was the first company in the world that initiated a comparative study of CoQ10 formulations in **healthy older adults (65+)**. The aim was to prove efficiency of supplementation with special form of ubiquinone Q10Vital®, compared to ubiquinol formulations.

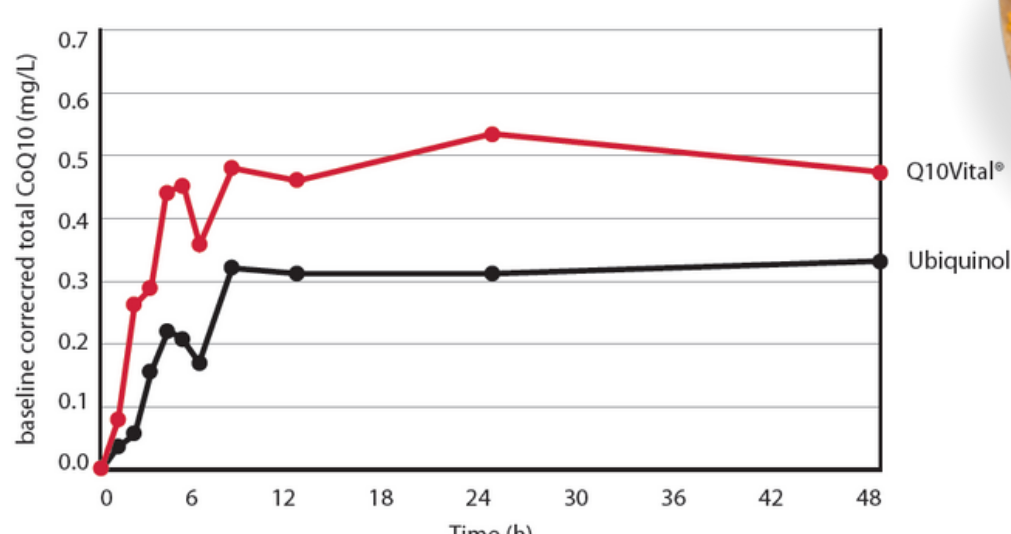


Chart: Bioavailability of Q10Vital® was shown as 1.5-fold higher compared to ubiquinol (but not statistically significant)[3].



CLINICAL STUDIES CONCLUSIONS:

- Ingested Q10Vital® significantly increases blood coenzyme Q10 levels even with older adults[3].
- Bioavailability of Q10Vital® is 4-times higher compared to basic (standard) CoQ10[2].
- Bioavailability of Q10Vital® in older adults was 1.5-fold higher (but not statistically different) compared to ubiquinol[3].

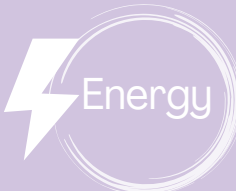
[1] Bhagavan, H. N., & Chopra, R. K. (2007). Plasma coenzyme Q10 response to oral ingestion of coenzyme Q10 formulations. Mitochondrion, 7 Suppl, S78–S88. <https://doi.org/10.1016/j.mito.2007.03.003>
[2] Zmitek, J., Smidovnik, A., Fir, M., Prosek, M., Zmitek, K., Walczak, J., & Pravst, I. (2008). Relative bioavailability of two forms of a novel water-soluble coenzyme Q10. Annals of nutrition & metabolism, 52(4), 281–287. <https://doi.org/10.1159/000129661>
[3] Pravst, I., Rodríguez Aguilera, J. C., Cortes Rodríguez, A. B., Jazbar, J., Locatelli, I., Hristov, H., & Žmitek, K. (2020). Comparative Bioavailability of Different Coenzyme Q10 Formulations in Healthy Elderly Individuals. Nutrients, 12(3), 784. <https://doi.org/10.3390/nut12030784>

ADVANTAGES OF Q10VITAL®

- Effectiveness supported by several clinical studies.
- Water-soluble.
- Highly bioavailable, even with older adults.
- Market proven.
- Recommended by professionals.
- Suitable for all forms of supplements (liquids, capsules, tablets and powders), foods and beverages.



AREAS OF USAGE



VALENS®

Valens Int. d.o.o.
Poslovna cona A35
4208 Sencur
Slovenia (EU)

www.q10vital.com
info@valens.si