

Enhanced-Absorption Patented VESIsorb® Delivery System

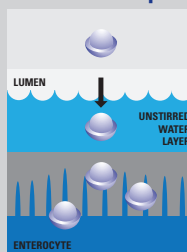
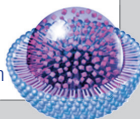
- Developed by Vesifact, a Switzerland-based company dedicated to innovative technology and research
- Patented, lipid-based delivery system increases bioavailability of a bioactive that is fat soluble or that has poor water solubility
- Self-assembling colloidal system forms evenly dispersed fluid droplets upon contact with water in the G.I. tract, each with the bioactive at its core
- Water-soluble droplets or micelles allow the bioactive to cross the water layer of the G.I. tract for absorption
- Provides extended release of the bioactive over time

The VESIsorb® technology is broken down into three steps:

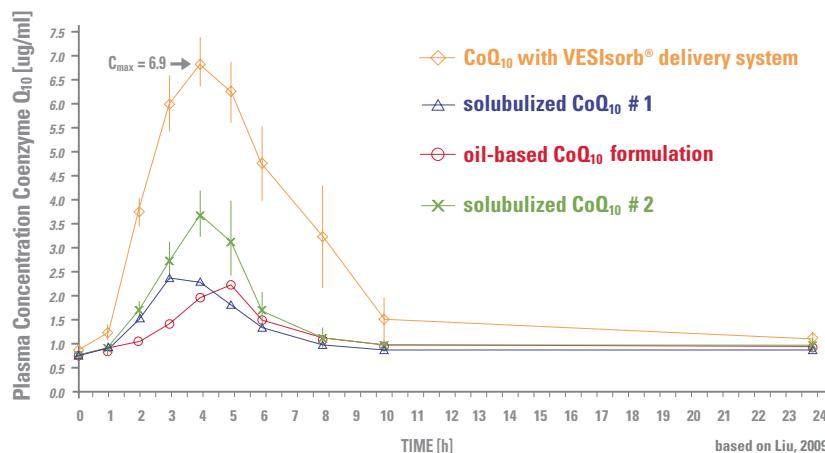
Step 1
Formation of the colloidal delivery system

Step 2
Diffusion across the unstirred water layer

Step 3
Transfer to the absorptive surface of the G.I. epithelium



PHARMACOKINETIC PROFILE



Differences in Bioavailability of Different Ubiquinone Formulations

CoQ₁₀ with the VESIsorb® delivery system demonstrated a 308% increase in peak plasma levels ($C_{max} = 6.9$) compared to an oil-based preparation ($C_{max} = 2.2$). C_{max} of VESIsorb® CoQ₁₀ also exceeded values for two solubilized formulations ($C_{max} = 2.4$ and 3.7).

Liu ZX, Artmann C. *Altern Ther Health Med.* 2009 Mar-Apr;15(2):42-6.