

Liposomal Iron

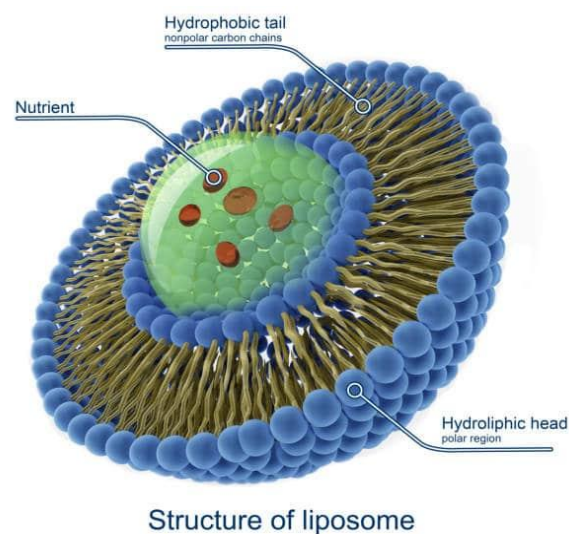
Clinical studies showed that oral liposomal iron is a safe and efficacious alternative to correct anaemia, as also it is a viable treatment option for iron deficiency anaemia in pregnant women.^[1]



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What is Liposomal ?



Liposomal supplements use a powerful delivery system that increases the effectiveness of pharmaceuticals as well as nutritional supplements.

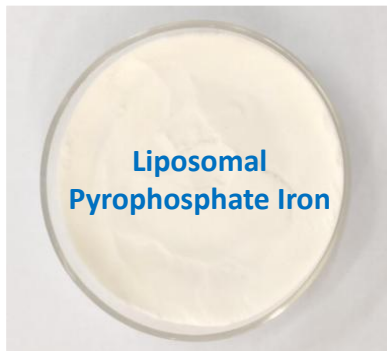
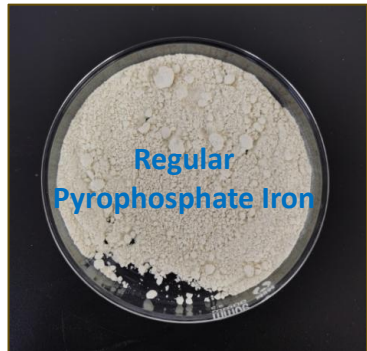
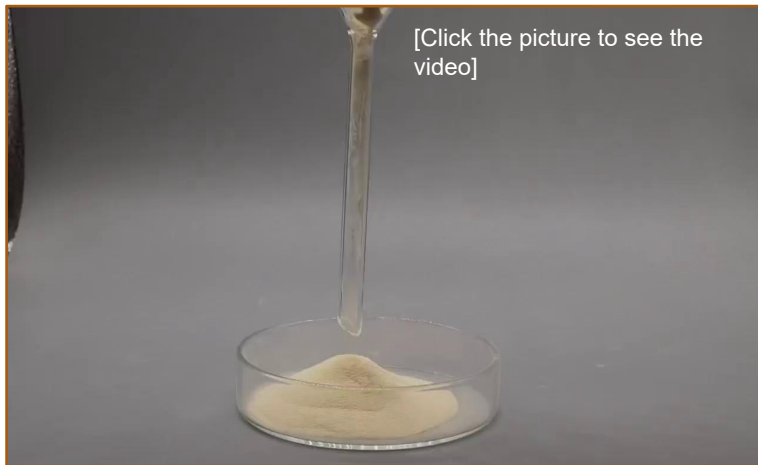
Liposomes were discovered in the 1960s, so the technology isn't new. However, the cost of producing liposomal supplements was initially very high, making it impractical.

Now, however, innovations have made it possible for people to enjoy liposomal vitamins, Minerals at an affordable price.^[2]



Benefits of Liposomal Pyrophosphate Iron

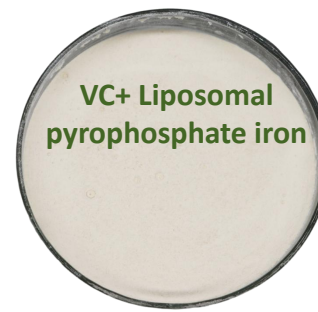
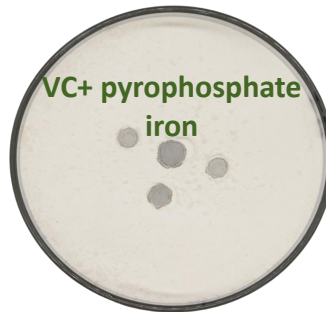
1. Improved Fluidity



2. Greater Bioavailability

Clinical study proved that it's 3.5 times greater than the free pyrophosphate iron, 2.7 times higher than iron sulfate, and 4.1 times higher compared with iron gluconate.^[1]

3. Easier compounding with Vitamin C



The formula always have black spot when compounding Vitamin C with the regular Iron, while, Liposomal Pyrophosphate Iron will solve this probelm well

4. No rancid taste

Iron element will catalyze a reaction with the fat in the formula, causing the product to produce an unpleasant rancid taste after about 3 months. The liposome structure can effectively block this catalytic reaction and extend the shelf life of the product.

5. Minimal side effects

Due to the Liposomal drug delivery technology, it offers less chances of nausea, vomiting, constipation and there is no epigastric pain, sensation of heaviness and discolouration of mucus & feces



Clinical Study/Science Study

Liposomal Pyrophosphate Iron

*** Oral Liposomal Iron: A promising new strategy for anemia management in clinical practice.^[1]**

Iron salts like Iron pyrophosphate are covered with liposome, a spherical structure of a phospholipidic nature that is similar to those human cell membranes. The bioavailability of liposomal pyrophosphate iron is 3.5 times greater than the free pyrophosphate iron, 2.7 times higher than iron sulfate, and 4.1 times higher compared with iron gluconate.

*** Liposomal ferric pyrophosphate and ascorbic acid supplementation in pregnant women with iron deficiency anaemia: haematochemical, obstetric, neonatal and psychological outcomes in a prospective observational study.^[3]**


Results showed significant positive effects on haemoglobin, ferritin, sideremia and transferrin levels, compared to baseline data. A significant improvement of anxiety and depression levels was also observed.

*** A Novel Approach for Iron Deficiency Anaemia with Liposomal Iron: Concept to Clinic^[4]**

Liposomal iron is a technologically designed, innovative form of iron which due to its differential delivery system ensures higher absorption and bioavailability, greater tolerability and least gastro-intestinal side effects unlike conventional oral iron preparations.



Reference

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- [1]<https://www.authorea.com/users/623375/articles/646400-oral-liposomal-iron-a-promising-new-strategy-for-anemia-management-in-clinical-practice>
- [2]<https://nutrapakusa.com/top-5-health-benefits-of-liposomal-supplements/>
- [3]<https://pubmed.ncbi.nlm.nih.gov/34238093/>
- [4]<https://www.scirp.org/journal/paperinformation?paperid=102737>