



# CureSupport

CureSupport is a Dutch company which is mainly focusing on the development, production and sales of high-quality food supplements. We are THE specialist in the field of liposomal technology.

During preparation of our products, we only use high quality raw materials. With these we produce under solid craftsmanship in our own production facility. Because of this, we maintain full control over the entire production process.

CureSupport focuses on improving the bioavailability. Ultimately, this is what is important.

# IT IS ALL ABOUT ABSORPTION

## LIPOSOMAL TECHNOLOGY



VEGETARIAN



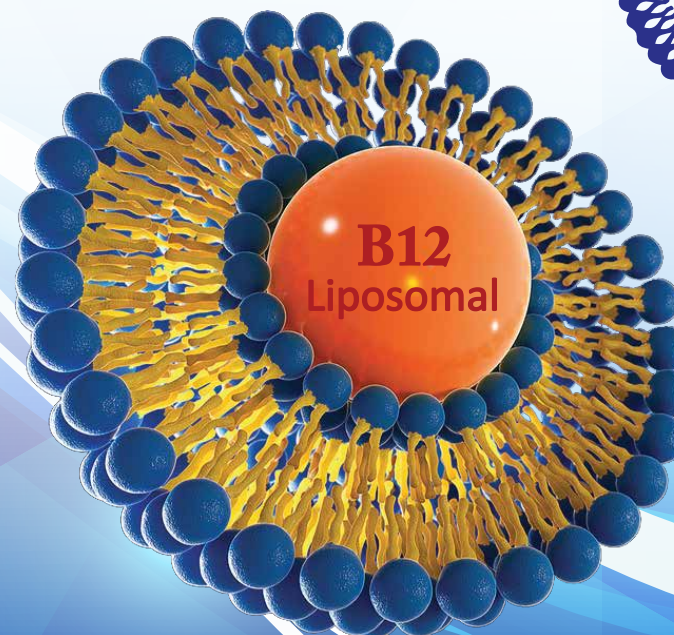
SUGAR FREE



GMO



GLUTEN FREE



#### References:

1. Katsogiannis I, Fikioris N, Kontogiorgis Ch, Constantinides Th. Evaluation of liposomal B12 supplementation in a case series study. Glob Drugs Therap 2018;3(5):1-4.
2. Hamishehkar H, Mohammadi M, Ghanbarzadeh B. Formulation of Nanoliposomal Vitamin D3 for Potential Application in Beverage Fortification. Adv Pharm Bull 2014;4(Suppl 2):569-575.
3. Maurya VK, Aggarwal M. Enhancing bio-availability of Vitamin D by nano-engineered based delivery systems- an overview. Int J Curr Microbiol App Sci 2017;6(7):340-353.



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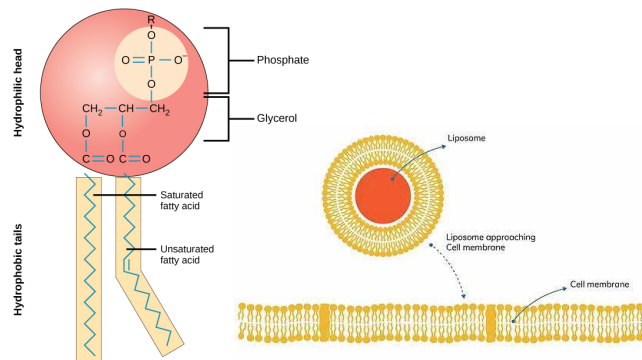
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## LIPOSOMAL TECHNOLOGY

Liposomes are made from extracts of lecithin which contain phospholipids, mixed with other molecules that we may wish to attach. Liposomes vary in size from low nanometer up to tens of micrometers. When combined with water, phospholipids form microscopic structures with a central void encapsulating water and within that water we can dissolve other molecules, such as Vitamin C or Glutathione which we would like to have absorbed easily into the body. Whilst hydrophilic molecules can be held within the encapsulated water, hydrophobic chemicals can be dissolved into the membrane itself and in this way liposomes have the ability to carry both hydrophobic and hydrophilic molecules. Due to their unique properties liposomes are used for the formulation of drugs, food supplements and cosmetics.



The attraction of using liposomes to deliver nutrients, supplements and drugs into the body is that they are easily absorbed by the gastro-intestinal tract and in so doing the additional encapsulated molecules are absorbed at the same time. This overcomes the barrier that faces many beneficial products of getting absorbed into the body in effective levels. The body will often break down many complex molecules before they are absorbed or will just not readily absorb them and so absorption levels are reduced. But as liposomes are easily absorbed the products encapsulated by liposomes achieve much higher blood dosage levels than found in non-encapsulated products such as traditional tablets.

However, liposomes can also go further, to assist to deliver the active molecules to the cellular sites of action where the body requires a high level of the nutrient. The lipid bilayer of the liposome can fuse with other bilayers such as the cell membrane itself, thus delivering the liposome contents into the cells.

## Liposomal - Vitamin B12

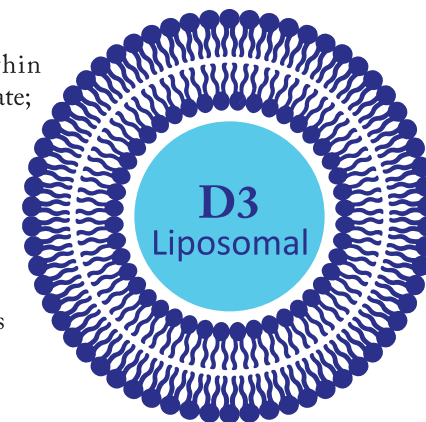
To improve the uptake of vitamin B12, CureSupport has developed a Liposomal Vitamin B12. The bio availability of the oral uptake of vitamin B12 is significantly higher when compared to vitamin B12 tablets or capsules.

Liposomal vitamin B12 is a very attractive choice for people who require an immediate and high elevation of vitamin B12 blood levels and who are not able to use nasal drops or injections.

**Ingredients:** Hydroxocobalamin (B12); lecithin (Soy or Sunflower); preservative: potassium sorbate; antioxidant: vitamin E (d-alpha tocopherol); xylitol; glycerol; water; flavoring: apricot/vanilla. This product contains phospholipids derived from non GMP soy or sunflower lecithin.

**Content per 1 ml:** 1 mg Vitamin B12.

**Recommended dosage:** 1x2 ml per day in a glass of water or juice.



## Liposomal - Vitamin D3

To improve the bodies absorption process CureSupport developed a Liposomal Vitamin D3. When using CureSupport liposomal Vitamin D3 the bioavailability of vitamin D3 in the body is much higher than when using traditional oral forms. Vitamin D3 is transported within the liposomes directly into the bloodstream and to the cells.

**Ingredients:** Vitamin D3 (as Cholecalciferol); lecithin (Soy or Sunflower); preservative: potassium sorbate; antioxidant: vitamin E (d-alpha tocopherol); xylitol; glycerol; ethanol (<1.5%); water; flavoring: apricot. This product contains phospholipids derived from non GMP soy or sunflower.

**Content per 1 ml:** 25 mcg (1000 IU) Vitamin D3.

**Recommended dosage:** for children (10-1 years) 2 ml and for adult 3 ml per day in a glass of water or juice.