



Lecimarine[®]

Sustainable marine phospholipids



Fluid & Powder
Forms



Suitable for hard
capsules, softgel caps,
tablets, sachet



Supports
Maternal Health



Supports
Ocular & Brain Health

A unique source of DHA

Up to

25%



of the brain dry weight
is phospholipids

ω

DHA is the only omega 3 abundant in human cell membranes. This fatty acid is an essential key for the good cell functionality. DHA in the form of phospholipids is more resistant to oxidative degradation than DHA in the form of triglycerides or ethyl esters. The Lecimarine[®] **DHA/EPA ratio of 3:1** is similar to the one found in **breastmilk**.



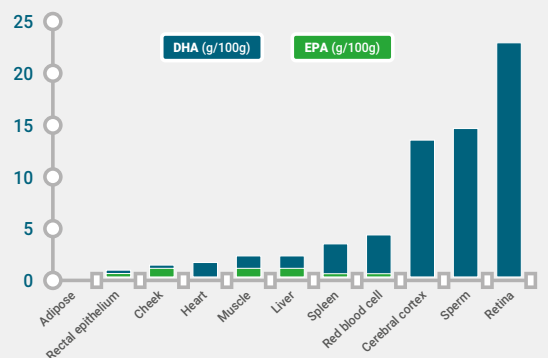
1

out of **5** fatty acid is **DHA** in the **brain**



1

out of **2** fatty acid is **DHA** in the **retina**



Arterburn LM et al. Am J Clin Nutr 2006, 83: 1467S-76S

“ Compared to triglycerides from fish oils, **fatty acids carried on phospholipids have natural ability to accumulate in cell membranes.** A phenomenon called **bioaccretion.** ”

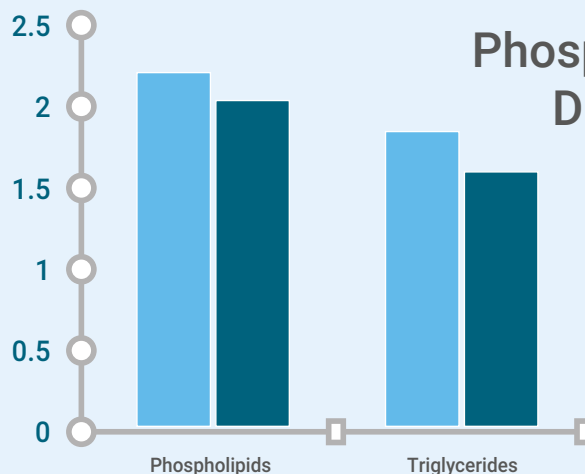
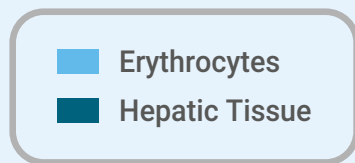
Phospholipids-bound DHA for better bioavailability

While triglycerides are incorporated in the core of lipoproteins, **phospholipids constitute their external layer**. During their transport, triglycerides are continuously hydrolyzed to provide fatty acids to tissues. A part of the released fatty acids is oxidized and used as substrate for the production of energy.

Phospholipids escape this hydrolysis process and wide fatty acids distribution in the bloodstream. **Phospholipids-bound DHA** are progressively concentrated and delivered to the cells without modifications.

DHA
(content in % of total fatty acids)

Phospholipids-bound DHA eases better bioaccretion



Lecimarine[®], a sustainable source of DHA

- **Raw material** coming from a **well-established MSC-certified wild catch fishery**
- A **full range of standardized ingredients**, in **fluid** and **powder** forms
- From **12% to 44% Omega 3** and **9% to 30% DHA** minimum content

