# LipoPhos EDTA

*Liposomal Phospholipids*

**Available only to healthcare practitioners**

Item # 75120
Available in bottles of 2 fl. oz.

## The Possible Benefits of LipoPhos EDTA, a dietary supplement

- Supports healthy blood lipids within normal levels (total, HDL and LDL cholesterol, and serum triglycerides)*
- May support cardiovascular function*
- May support healthy peripheral brain circulation*
- May support normal levels of exercise tolerance*

## Description

LipoPhos EDTA offers primary support for the health of the circulatory system.* An optimal circulatory function can benefit every cell in the body. The function and structural integrity of cells depends on good circulation, for the delivery of life-giving nutrients and for the removal of metabolic wastes. LipoPhos EDTA contains Essential Phospholipids (EPL), which have been extensively studied for over 40 years. Clinical studies of EPL conducted in Europe show that EPL may play an important role in supporting LDL cholesterol, total cholesterol and serum triglycerides within normal levels, and in supporting healthy HDL cholesterol within normal levels.* Studies of EPL suggest it has potential to support the cardiovascular function, increase peripheral brain circulation, and in some cases increase exercise tolerance.*

LipoPhos EDTA contains a blend of highly refined phospholipids (phosphatides). The phospholipids in LipoPhos EDTA are 70% phosphatidylcholine, and 30% phosphatidylinositol and phosphatidylethanolamine. EPL also contains polyunsaturated fatty acids, primarily the essential linoleic and linolenic fatty acids. The EPL is made through a proprietary and costly procedure from natural soy lecithin, but it is not the same as soy lecithin or typical phospholipids available in pill form. The special process used to make EPL allows it to spontaneously form microscopic cellular structures whose walls are very similar in construction to the actual cell membranes found in the human body.* These are the components that form the outer membrane of every living cell.

Phospholipids are vital to basic biological processes.* They play roles in cellular energy production, cellular DNA information flow to RNA and to other proteins, intracellular communication (signal transduction), and in maintaining cell membrane integrity.* The essential polyunsaturated fatty acids in LipoPhos EDTA can 'fluidize' the cellular membranes, warding off the decline of cellular membrane repair function.* This is of key importance in keeping our cells youthful, and supports the function of the liver, the nerves, and the circulatory and immune systems.*

How does EPL differ from regular phospholipids? In order to be absorbed into the lining of the small intestine, regular phospholipids need to be digested by the pancreatic enzyme phospholipase. The resulting compound (lysolecithin) then needs to be re-acidified back to phosphatides before it can use the lymphatic system to finally arrive in the blood stream. By contrast, EPL has a liposomal structure. Liposomes are tiny cell like structures, in the nanometer size range, that can get through the acidic stomach and then easily absorb from the intestinal tract. The oral delivery system of EPL offers both protection and delivery of their valuable nutrients, approaching the intravenous level of assimilation.*

The liposomal structure is key to EPL's effectiveness.* Recent clinical tests have verified that EPL passes through biological membranes directly into the blood stream, effectively bridging the intestinal barrier.* LipoPhos EDTA is a nutritional supplement which offers the health benefits of phospholipids, and also contains its own transport mechanism.* It is an enhanced form of concentrated beneficial phospholipids, optimized for absorption, and easy to take.*

EDTA (ethylenediaminetetraacetic acid) is a synthetic amino acid that is used to remove toxic heavy metals from the body.* EDTA is usually delivered intravenously because oral administration is inefficient, delivering only about 5% EDTA into the blood stream. Although time-consuming and expensive, intravenous chelation with EDTA has a low occurrence of side effects, whereas oral doses larger than 500 mg often result in diarrhea. However, when EDTA is encapsulated in EPL microspheres, as in this product, even large doses (2 grams or more) do not produce diarrhea, and over 90% of the EDTA enters the blood stream.*

Serving Size: 1 fl. oz. (30 ml)
Servings Per Container: 2
Amount Per Serving:

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| Magnesium (as Magnesium Chloride) | 40 mg |
| Essential Phospholipids | 6 g |
| Disodium EDTA | 1 g |
| Alpha-Lipoic Acid | 50 mg |

Other ingredients: Purified water, lecithin, ethanol 12%, glycerin, xanthan gum.

Suggested Use: As a dietary supplement, 1 to 3 ounces a week with cranberry juice or lemonade, as directed and monitored by a physician.

Note: Refrigerate after opening. EPL is very well tolerated. No serious reactions have been reported. Occasionally, soft stools, diarrhea, constipation, and lack of appetite have been reported. Taking EPL with meals usually reduces these mild problems.

*THESE STATEMENTS HAVE NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THIS PRODUCT IS NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE.

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## Selected References


Almazov VA, Freidlin IS, Krasil'nikova EI. Kardiologiia. 1986 Feb; 26(2): 39-42. Russian.
Blagosklonov AS, Nalivatko ES, Bykov GA, Kaminka TIa, Khalilov EM. Kardiologiia. 1986 Oct; 26(10): 35-8. Russian
Coccheri S, et al. Acta Med Scand Suppl. 1971; 525. 253-6.
Fasoli A. Hypolipid. Drugs; G. Ricci et al. (Eds) Raven Press: New York 1982, 257-262.
Hevelke G, Hogn T, Haase W, Bohlau V. Med Welt. 1980 Apr 18; 31(16): 598-602. Review. German.
Horsch AK, Majolk I, et al. 1986; 15(3): 251-5. German.
Knuechel F. Med Nov. 1959 Sep 5; 36: 1652-3. German.
Lata J, et al. Vnitr Lek. 2001 Sep; 47(9): 599-603. Czech
Mel'chinskaia EN, et al. Ter Arkh. 2000; 72(8): 57-8. Russian.
Skorepa J, Mares P, Todorovicova H. Cas Lek Cesk. 1974; 113(26): 784-6. Czech.
Varkonyi G. Gesamte Inn Med. 1962 Sep 15; 17: 830-4. German.
Zeman M, et al. [Article in Czech] Sb Lek. 1995; 96(1): 43-8.
Zierenberg O, Grundy SM. J Lipid Res. 1982 Nov; 23(8): 1136-42.



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