

NATURA® E-SAVER

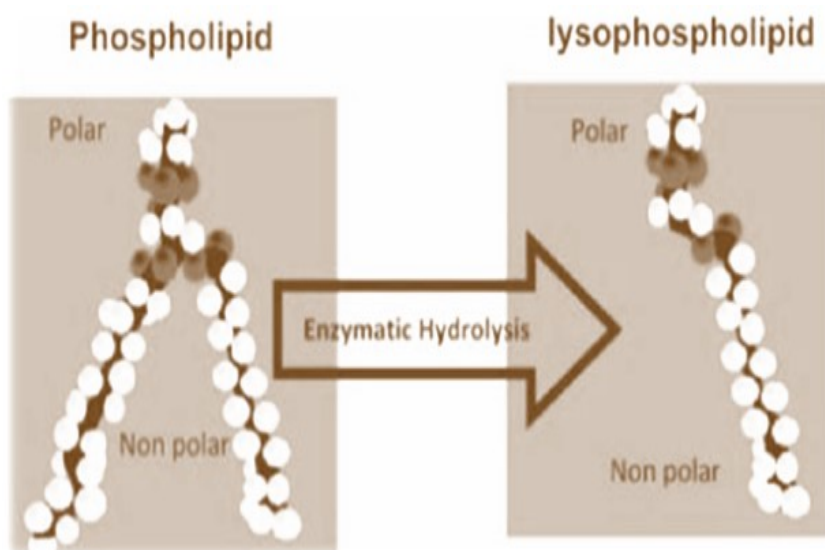
Reduce Feed Costs by Increasing Nutrient Utilization

Modern poultry diets should be formulated to provide the required nutrients and energy for high performance. However, some of those nutrients and energy are wasted as it passes through the gastrointestinal tract undigested and unabsorbed.

Natura E-Saver Improves Absorption of Nutrients

Natura-E- Saver is an lysophospholipid product that improves the absorption and efficiency of nutrients during digestion by improved micelle and liposome formation.

The digestive system of poultry contains phospholipids which needs to be converted to lysophospholipid by enzymatic hydrolysis (Phospholipase A2) by removing one of the fatty acid chain.



Important Activities of Natura E-Saver

- Higher intake of energy and nutrients in the cell membrane
- Improves nutritional value of animal feeds
- Improves cell and tissue growth
- Immune system enhancement
- Enables the applications of down-specification to animal feed
- Lowers feed cost



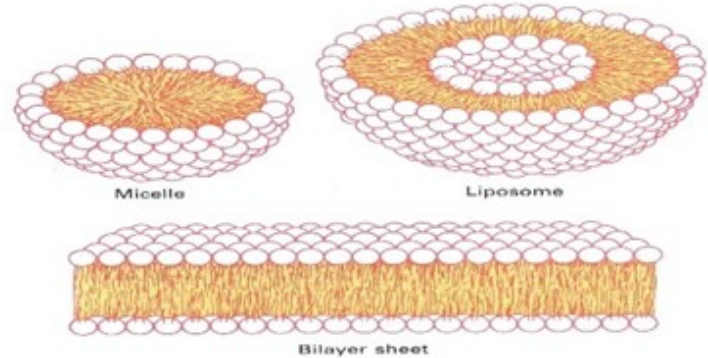
For more information, please visit www.naturafeed.com

Important Features of Lysophospholipids

Increased Formation of Micelles and Liposomes

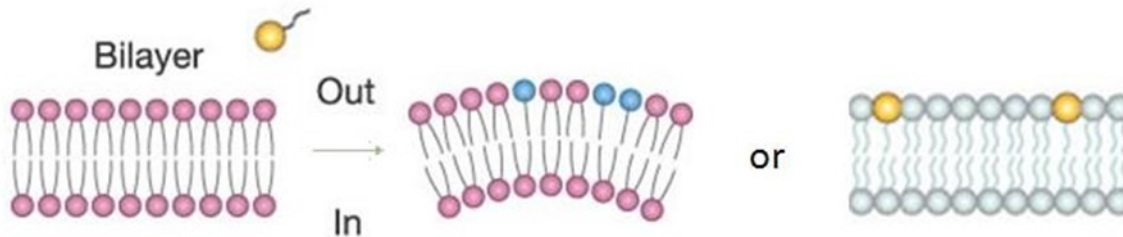
Natura E-Saver lysophospholipid product increases micelles and liposomes formation during the digestive process.

This improved digestion increases energy and nutrient digestibility by carrying fat soluble nutrients including vitamins and water soluble nutrients into the cell membrane.



Cell membrane modification: Changing the membrane shape

When a lysophospholipid is added to feed, it penetrates into the lipid bilayer of the gut membrane changing the bilayer structure increasing the fluidity, permeability and porosity of the cell membrane for passive transport.



Benefits of Natura E-Saver

- ◆ Enhances absorption
- ◆ Increases energy and nutrient availability
- ◆ Supports immune system
- ◆ Provides additional savings with enzymes
- ◆ Contains no chemicals
- ◆ Reduces feed cost



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