



LYSOFORTE® - poultry

LYSOFORTE enhances nutrient absorption in poultry.

LYSOFORTE contains an optimised combination of lysophospholipids which play an important role in promoting more efficient utilisation of lipids and other nutrients.

Features

- Supports the effect of bile salts during fat emulsification in the gut
- Improves nutrient transport through the intestinal lumen
- Improves nutrient absorption
- Heat stable

Benefits

- Improved digestion / absorption of fat and other feed nutrients
- Improved animal performance
- Lower feed cost through more efficient use of nutrients
- Contributes to animal health and welfare
- More environmentally friendly animal production

Mode of action

LYSOFORTE supports the bile salts to form smaller and more stable micelles in the intestinal tract. These smaller micelles can move easily through the aqueous environment in the intestinal lumen and can better diffuse through the unstirred water layer, contributing to better absorption. LYSOFORTE also interacts with the cellular membrane increasing its permeability for nutrient absorption.

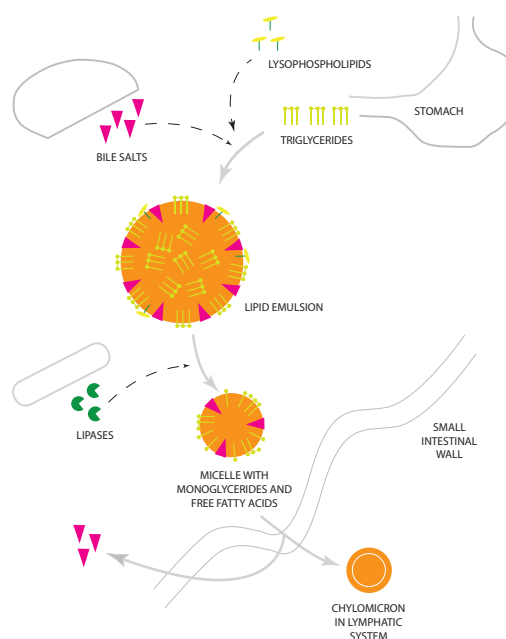


Figure 1. LYSOFORTE mode of action

LYSOFORTE efficacy

Digestibility and performance data show that LYSOFORTE significantly improves fat digestion and absorption of other nutrients.

Table 1. Digestibility (%) and AMEn (kcal/kg) results in a broiler trial

FEED INGREDIENTS	DM	CF	NDF	N	AMEn
Control	69,7	85,1 ^b	21,2	87,9 ^b	2988 ^b
Control + LYSOFORTE at 500 g/t	72,8	88,1 ^a	28,4	90,3 ^a	3158 ^a

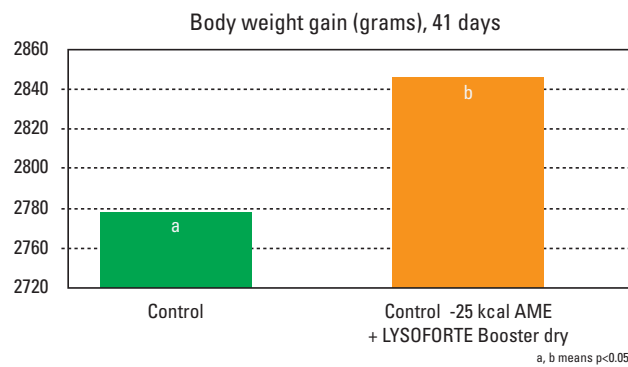
a,b different subscripts in a column means statistically difference at $p < 0,05$

Kemin internal publication WP11-00089

Digestibility trial with 120 Ross 308 broilers. Digestibility data at 5 days period (24 - 28 days old). Birds fed a complex diet (wheat, maize, soyabean meal) following the breed specifications - Poland 2010.

Nutritional strategies for LYSOFORTE application

COST NEUTRAL REFORMULATION



Kemin internal publication SD-14-00024

Graph 1. Growth response of LYSOFORTE on broilers fed pelleted diets (Poland 2012). Trial feed was formulated with -25 kcal and LYSOFORTE Booster dry was added at 500 g/tonne (cost neutral).

DIET REFORMULATION

The reformulation approach is a flexible nutritional tool to support nutritionists to save costs via simple optimization (oil replacement), use of cheaper and less dense raw materials or changing the balance of fats and oils.

The use of LYSOFORTE Booster as a nutritional tool to reformulate diets contributes to significant cost savings without compromising performance.

For further application advise, please contact Kemin.

Package and storage

- LYSOFORTE is available in 25 kg bags. Keep bag closed when not in use.
- Stored in a cool and dry place in the original package. Stable for 24 months.



INSPIRED MOLECULAR SOLUTIONS™

