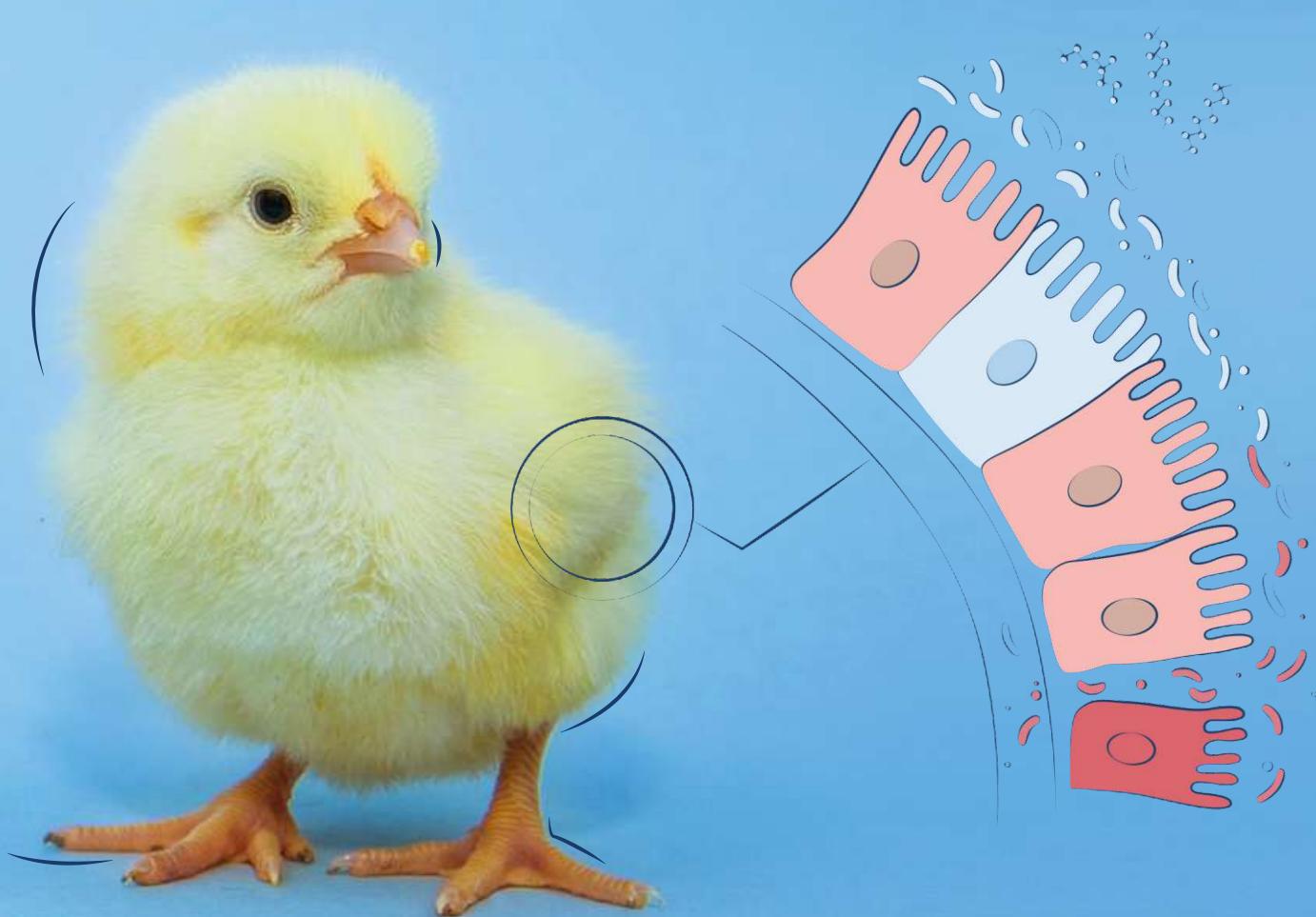




APSAGUT FORTE +

Monolaurin and Monobutyryin



APSAGUT FORTE+

APSAGUT FORTE+ Supports gut health and enhances performance in poultry. Its unique blend of lauric and butyric acid monoglycerides ensures rapid, effective action against intestinal challenges.

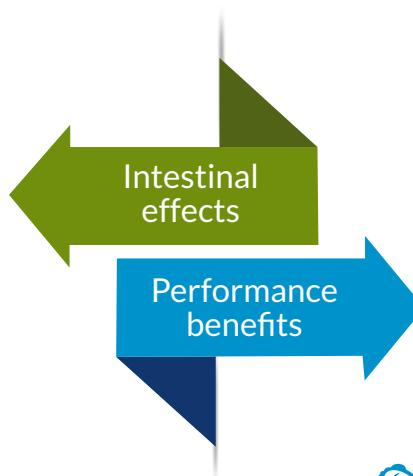


MONOLAURIN AND MONOBUTYRIN

- Strengthens intestinal barrier and controls key pathogens (Clostridium, E. coli, Salmonella).
- Enhances nutrient utilization through balanced gut microbiota for improved growth.
- Monoglycerides provide an odourless butyrate source with strong antimicrobial action; Monolaurin ensures superior stability and efficacy against Gram-positive bacteria.

PROPERTIES

- Synergistic Action Against gut Challenges
- Strengthens Intestinal Barrier Integrity
- Supports Intestinal Repair
- Boosts local Gut immunity
- Reduces Intestinal Inflammation and Oxidative Stress



- Improves nutrient absorption and feed efficiency
- Improves Growth Performance Parameters
- Reduces the Need for Antibiotics
- Enhances Footpad Health

RELATED INVIVO TRIALS

Field trials across the UK, Germany, and Belgium evaluated 600,000 lightweight broilers (slaughtered at 30 days) and 500,000 heavyweight broilers (slaughtered at 41 days). A high-dose combination of Monolaurin and Monobutyryl improved Average End Weight (AEW) and Feed Conversion Ratio (FCR) in both groups.

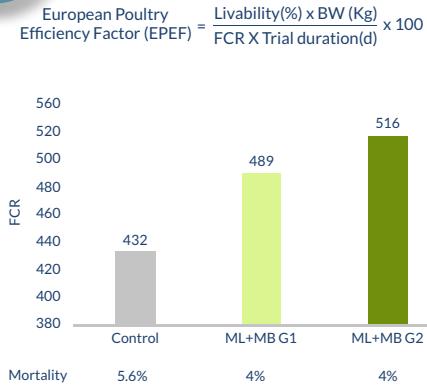


Effect of combination of Monolaurin and Monobutyryl on the productive performance of broiler chickens

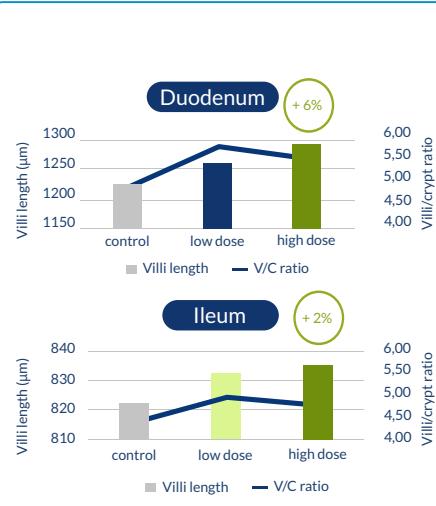
	Heavyweight Broilers (41 days)			Lightweight Broilers (30 days)		
	AEW (Kg)	FCR	Days Ab use	AEW (Kg)	FCR	Days Ab use
Control	2.55	1.46	3.79	1.86	1.56	4.88
Blend	2.61	1.42	1.96	1.92	1.54	2.21
	+60 g	-4 points	-1.83 days	+60 g	-2 points	-2.27 days

RECENT INVIVO TRIAL

A 35-day study conducted on 375 broilers fed a corn-soybean basal diet evaluated the efficacy of a Monolaurin and Monobutyryl blend without antibiotic. Birds receiving the supplemented diet demonstrated notable improvements in growth performance and intestinal health compared to the control group.

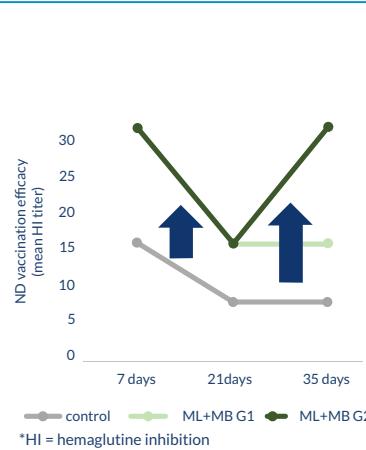


Reduced mortality and increased the European Poultry Efficiency Factor (EPEF)



Improved villi length and villi length / crypt depth ratio

Improvement of animal performance



Increased immune response (vaccination efficiency)

MONOBUTYRIN

Inhibits the activation of factors involved in **inflammation** and reduces the release of proinflammatory cytokines, Tumor Necrosis Factor and Nitric Oxide

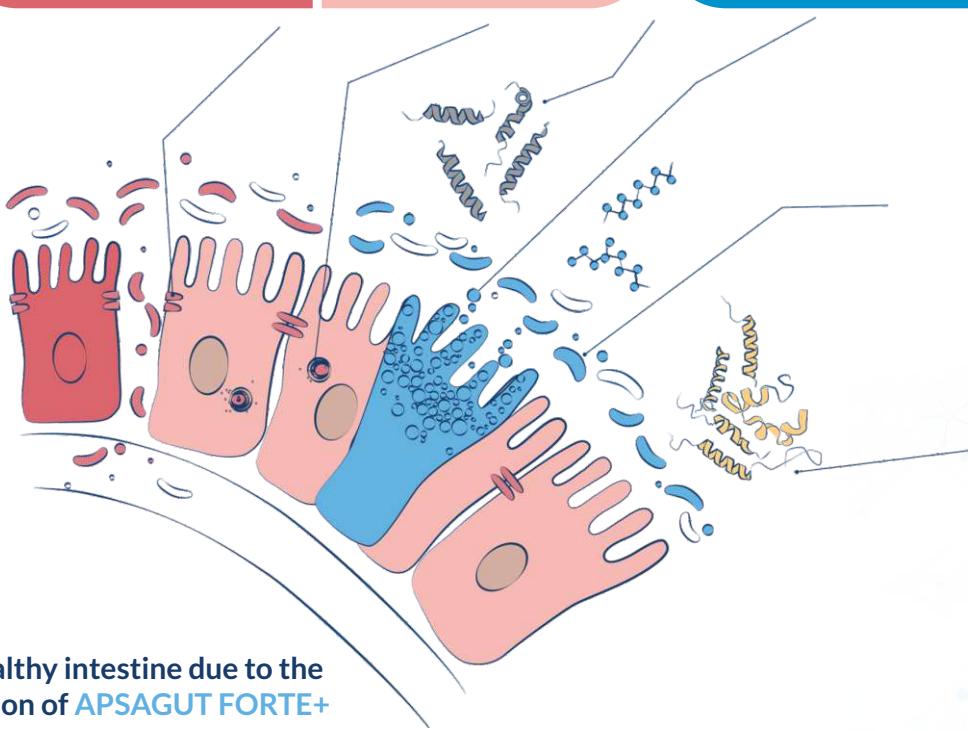
Acts as main source of energy for enterocytes Reinforces the Tight Junctions between the enterocytes

Induces the expression of genes involved in enterocyte proliferation, differentiation and maturation

Increases the expression of antimicrobial peptides, Contributing to reduction of pathogenic bacteria

Increases the presence of goblet cells in the intestine, and enhances mucus production, forming a critical first line of defense against pathogens

Promotes the growth of the Lactic acid bacteria population while decreasing pathogenic populations, such as Escherichia coli



MONOLAURIN

It has a significant antimicrobial capacity against gram-positive bacteria, such as Clostridium, Staphylococcus and Streptococcus

APSAGUT FORTE +

Monolaurin and Monobutyryl

Ensures Feed Palatability:
Odorless, preventing feed refusal and promoting consistent intake.

High Manufacturing Stability:
Preserves active ingredient efficacy through all production processes.

Continuous pH-Independent Efficacy:
Esterified fatty acids provide constant antimicrobial protection, regardless of digestive pH levels.

Potent & Sustained Antimicrobial

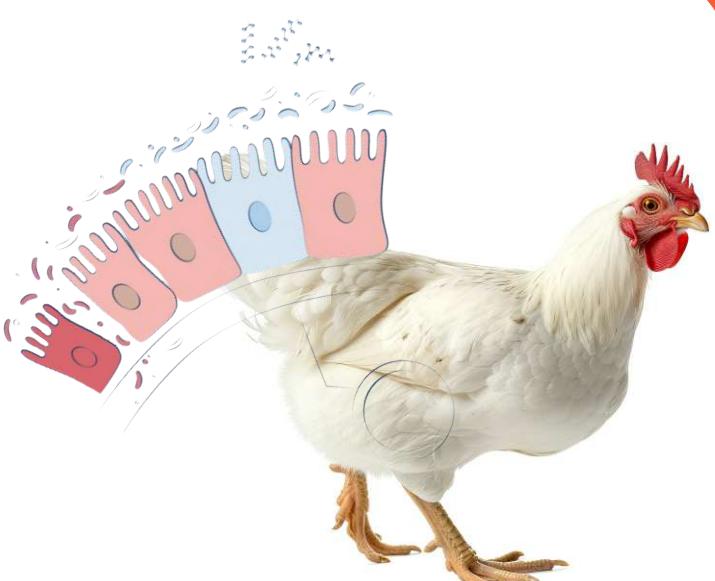
Activity: Exhibits broad-spectrum antimicrobial action throughout the entire gastrointestinal tract.

Optimized Intestinal Delivery:

Engineered for targeted release in the intestine for enhanced gut health and maximum nutrient absorption.

Strengthens Gut Integrity & Microbiota:

Supports intestinal integrity and a balanced microbiota.



PRESENTATION

25kg Pack
Whitish powder



**NANOVET
NUTRITION**

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