

# DICOyan<sup>®</sup>

**Natural** Health and performance booster



The use of feed supplement containing SCFA & MCFA is proposed as a valuable alternative to antibiotics in feed and can be used to promote growth and even for the preventing and curative treatment of gastrointestinal diseases.

The antimicrobial activity of Lauric acid can be classified under three main mechanisms:

- Destruction or disruption of the cell membrane of the gram positive bacteria and lipid-coated viruses by physio-chemical process
- Interference with cellular process, such as bacterial cell signal transduction and gene transcription process
- Stabilization of human and animal cell membrane.

 **NOREL**  
ANIMAL NUTRITION

Authorized by EFSA in Europe

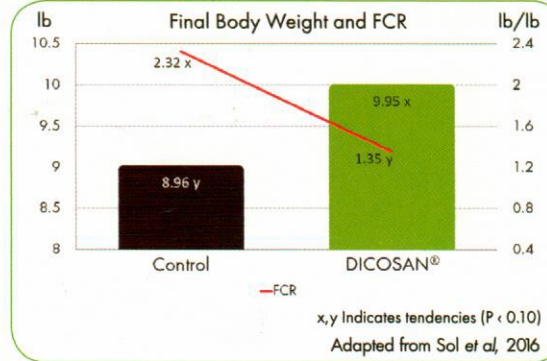
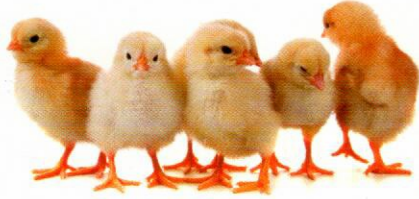
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**NBPL**

**DICOSAN®**, based on coconut fatty acid distillate with a high percentage of lauric acid, is a performance booster effective against pathogenic bacteria (Gram + and Gram -)

## ENHANCES PERFORMANCE

The addition of **DICOSAN®** in animal farming & production.

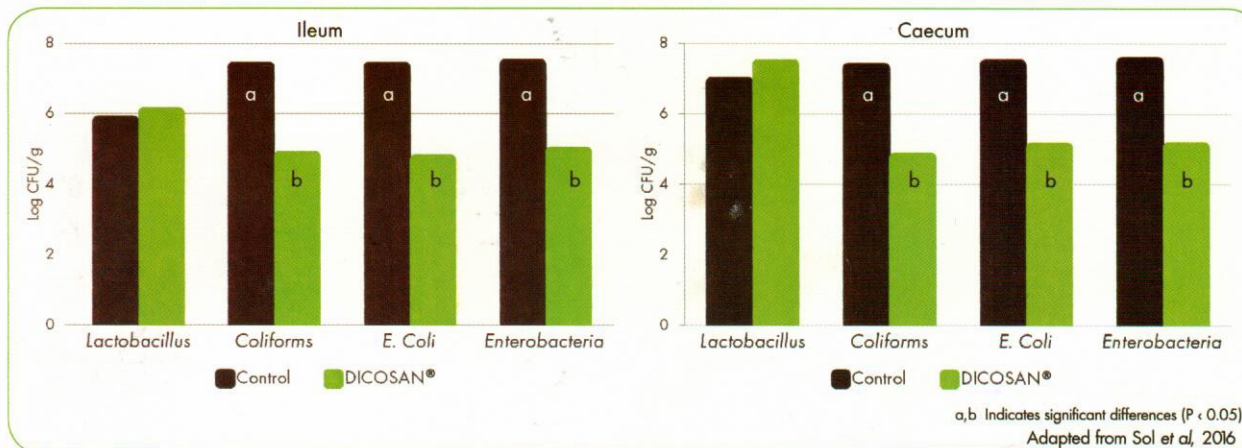
- Tends to increase final body weight
- Tends to reduce feed conversion ratio



Sol C, Hillis N, Puyalto M, Mallo JJ  
Effect of medium and short chain fatty acids on performance and gut health in animals  
Symposium on Gut Health in Production of Food Animals. 2016

## MODULATES INTESTINAL MICROBIOTA

**DICOSAN®** significantly decreases the count of Coliformis, E.Coli and Enterobacteria in ileum and caecum.



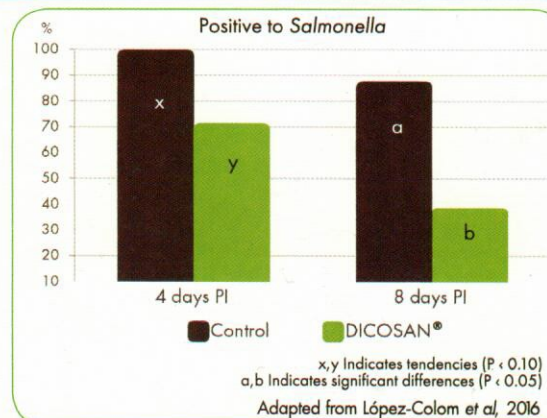
Sol C, Hillis N, Puyalto M, Mallo JJ  
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## REDUCES PATHOGENIC BACTERIA

The inclusion of **DICOSAN®** decreased the number of animals positive to *Salmonella Typhimurium* in cecal digesta after experimental oral inoculation

The analysis of *Salmonella* in positive samples revealed that the number of bacteria was lower in **DICOSAN®** group

López-Colom P, Castillejos L, Puyalto M, Mallo JJ, Martín-Orúe SM Evaluation of medium chain fatty acids salts or *Enterococcus faecium* in front of *Salmonella Typhimurium* challenged animals  
Journal of Animal Science. 2016; 94:41- 41



PRODUCT	COMPOSITION	DOSAGE	HANDLING	PRESENTATION
<b>DICOSAN®</b>	Sodium salt of coconut fatty acid distillate * Or / as recommended by nutritionist	Broiler : 0 - 14 days 14-21 days 21 days - slaughter. Layers : Breeders : Pre-Ruminants (Milk replacer) : 1.0kg/Mt	1- 1.5 kg/Mt 0.5 - 1.0 kg/Mt 0.5 kg/Mt 0.5 kg/Mt 1.0 kg/Mt 1.0kg/Mt	Powder 25 kg / bag



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Natural nutrition



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