

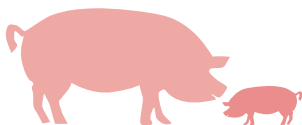


PROBISAN **SWINE**



*Animal Health*

## The stimulation of natural immunity



Postbiotic product obtained from the fermentation of a culture of microorganisms, transformed during the manufacturing process itself  
**compliant with regulation UE/2017/1017 P.28**

Healthier animals.  
**Reduction of the use of antibiotics**



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of the European Union

The EU Framework Programme for Research and Innovation



50%

REDUCTION OF THE USE OF ANTIBIOTICS  
IN THE DIGESTIVE TREATMENT

## What is PROBISAN Swine?

PROBISAN Swine is a Postbiotic. Its activity lies in the METABOLITES produced by the fermentation of a selection of lactic bacteria and yeasts during our production system, which include:

- Enzymes: amylase, protease, lipase and cellulase.
- Volatile organic acids.
- B-complex vitamins.
- Antiinflammatory molecules.
- Molecules that modulate the innate immune system.

## Advantages of PROBISAN Swine

- **Stimulation of the natural immune system:** increase in the number of receptors of Major Histocompatibility complex II, TLR-2 and TLR-4.

Table 1

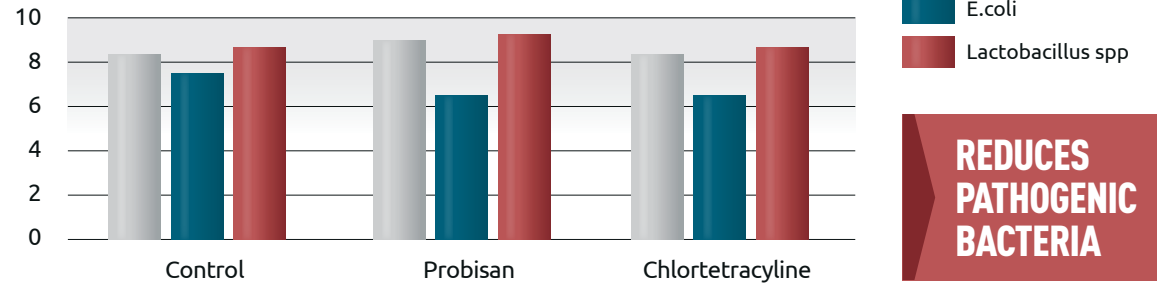
- Increases the populations of bacterial groups **beneficial to intestinal health:** lactobacillus, bifidobacteria.
- **Reduces the concentrations of pathogenic bacteria:** E. coli.

- **Increases the intestinal absorption** surface area: 12-15%.
- **Improves the integrity of the intestine:** tight-junction.
- **Increases the serological response** to PCV-2

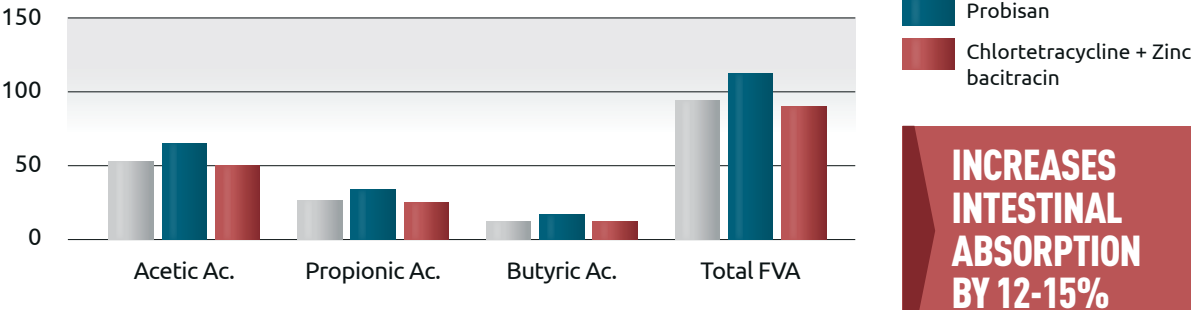
Table 2

- **Increases the concentrations of volatile fatty acids** in the colon: acetic, propionic and butyric.

**Table 1. Stimulation of the immune system.**



**Table 2. Volatile fatty acids in Colon (mmol/L)**



## Production guarantee

PROBISAN SWINE is produced with registered strains of lactic bacteria and yeast deposited in the Spanish Standard Culture Collection (CECT).

Raw materials of NON-GMO origin and products authorised in accordance with the highest production standards are used in their production. Our production installations and processes are certified by GMP+.





# PROBISAN SWINE

## When to apply and dose to administer

It is highly recommended in sows and in the weaning phase because it favours the early development and maturing of the digestive system.

Probisn Swine optimises the development of the intestinal microbiota and reduces intestinal disbiosis creating optimum conditions for generating future fattening pigs with superior growth qualities.

Pigs	Gestation	1 kg/Tm
	Lactation	1 kg/Tm
Piglets	Milk starter	3 kgs/Tm
	Prestarter	3 kgs/Tm
	Starter	1.5 kgs/Tm
Fattening	Fattening	0.5 kg/Tm

## Composition

Wheat bran, alfalfa flour, non-bitter yeast, fructo-oligosaccharides.

Crude protein.....	19.64 %
Crude fibre.....	11.90 %
Crude oils and fats .....	4.60 %
Crude ash .....	5.82 %
Lysine.....	0.82 %
Sodium.....	0.20 %
Methionine .....	0.29 %
Calcium .....	0.27 %
Phosphorous .....	0.70 %



**Animal Health**

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