



PROBISAN RUMINANTS M



Animal Health

**For a better digestive formation of the rumen**



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.  
Development and adaptation of the intestinal  
microbiota



Co-funded by the Horizon 2020 programme  
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- **IMPROVES THE DIGESTIVE FORMATION OF THE SUCKLER**
- **HELP TO ADAPT TO THE FEED OF WEANED CALVES**

## What is PROBISAN Ruminants M?

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:

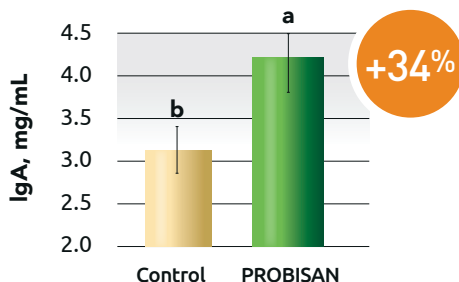
- **Enzymes: amylase, protease, lipase and cellulase.**
- **Volatile organic acids.**
- **B-complex vitamins.**
- **Antiinflammatory molecules.**
- **Molecules that modulate the innate immune system.**

## Advantages of PROBISAN Ruminants M

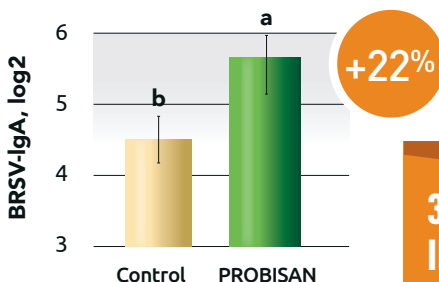
Using PROBISAN Ruminants in ruminants' feed:

- **Increases by >30% the production of immunoglobulin A** in respiratory mucosa, when used from birth (see table 1).
- **Favours the early establishment of an adult microbiota.**
- **Lowers the cellular inflammatory response** to infection by E. coli and salmonella (see table 2).
- **Increases the intestinal absorption surface area: 12-15%**
- **Improves the integrity of the intestine: tight-junction.**

**Table 1.A IgA levels in nasal mucosa**

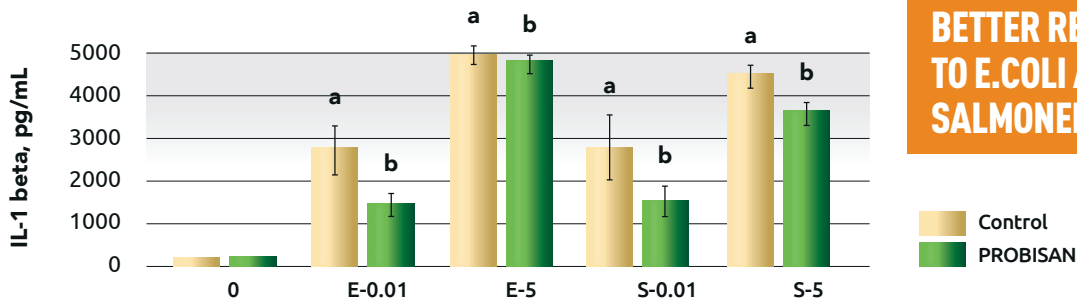


**Table 1.B IgA compared to syncytial virus in nasal mucosa**



**30% INCREASE  
IN PRODUCTION OF  
IMMUNOGLOBULIN-A**

**Table 2 Inflammatory response to E.coli and salmonella infections**



**BETTER RESPONSE  
TO E.COLI AND  
SALMONELLA**

a,b indicates the difference in P<0.05

Source: South Dakota State University (Dep. of Dairy and Food Science)

## Production guarantee

PROBISAN RUMINANTS M 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 RUMINANTS M

## When to apply and dose to administer

It is highly indicated for the breastfeeding stage, since its intake will help develop the intestinal microbial flora, overcoming the deficiencies that can arise due to an adequate transit of lactic bacteria from the mother to the young, either during birth or during breastfeeding.

PROBISAN RUMINANTS M is presented micronized to be incorporated into the feeders mixed with powdered milk

### Lactating calves

5 grs / animal and day in one or two shots from birth

DOSAGE IN SACKS OF MILK POWDER: Mix 300 g./25 kgs.milk powder

### Lactating lamb/kid

3 grs / animal and day in one or two shots from birth

DOSAGE IN SACKS OF MILK POWDER: Mix 450 g./25 kgs.milk powder

## Composition

Wheat bran, alfalfa flour, non-bitter yeast.

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 %



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