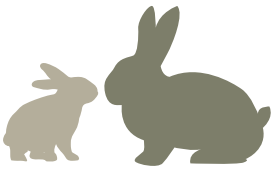
PentaBiol
Animal Health

PROBISAN **RABBIT-MET**

Acts against the appearance of E. coli



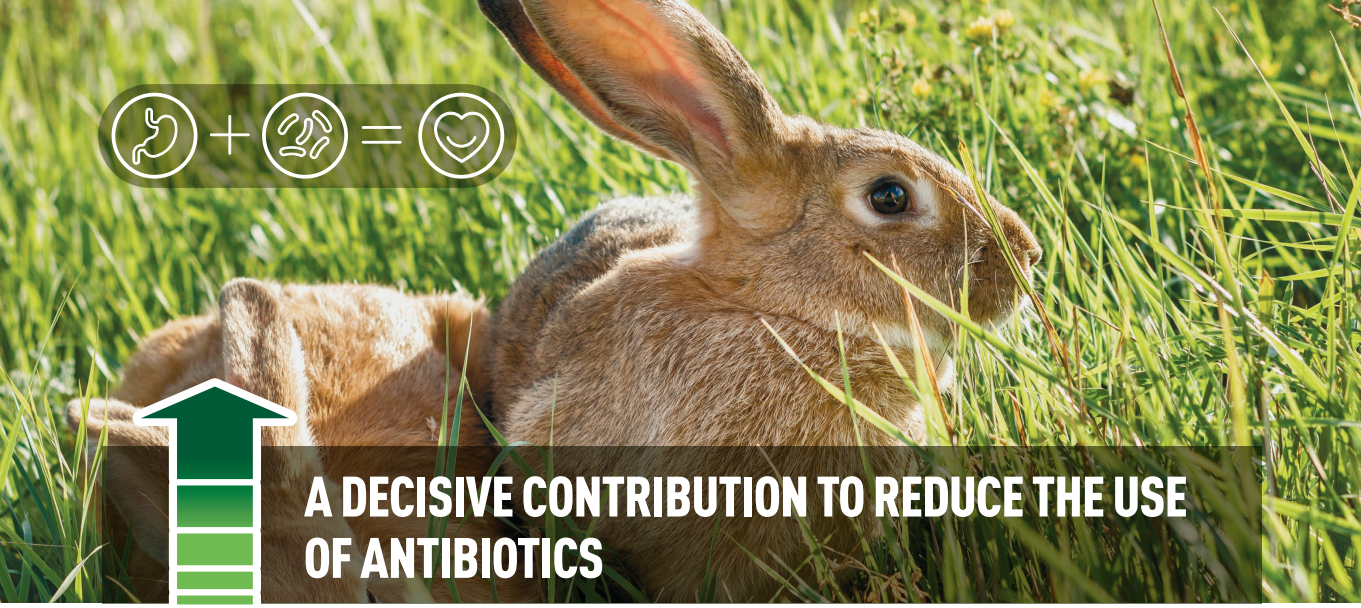
Postbiotic product obtained from the fermentation of a culture of microorganisms, transformed during the manufacturing process itself
compliant with regulation UE/2017/1017 P.28

Healthier animals.
Prevents the intestinal dysbiosis

European Commission

Co-funded by the Horizon 2020 programme of the European Union

The EU Framework Programme for Research and Innovation



A DECISIVE CONTRIBUTION TO REDUCE THE USE OF ANTIBIOTICS

What is PROBISAN Rabbit-Met?

PROBISAN RABBIT-MET is a postbiotic. After a process of fermentation of different microorganisms, the METABOLITES generated in this product present a high activity of BACTERIOCINES against rabbit E. coli. among which are:

- **Enzymes**
- **B-complex vitamins.**
- **Anti-inflammatory molecules.**
- **Molecules that modulate the innate immune system.**

Its joint action allows to increase the surface of intestinal absorption and the improvement of the integrity of the intestine, preventing the entry of pathogen germs into the body.

Advantages of PROBISAN Rabbit-Met

The use of PROBISAN Rabbit-Met:

a) It allows to control the problems associated with colibacillosis in rabbits, including carriers of the EAE gene, without the use of substances that require prescription.

b) Promotes a faster establishment of adult microbiota in animals developir

REDUCTION OF PATHOGEN BACTERIA IN OVER 90%

MICROBIOLOGICAL CROPS

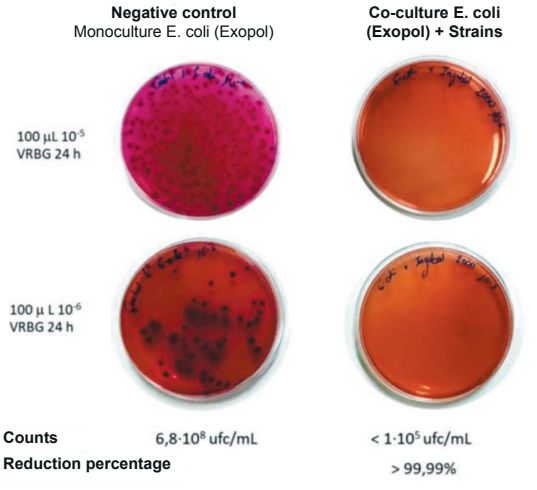
Samples of five enteropathogenic E. coli strains (carriers of the EAE gene) isolated from rabbits are tested.

In the cultures made from the 5 rectal swabs a pure growth of bacteria identified as Escherichia coli was obtained.

E.COLI vs. LACTIC ACID BACTERIA

To determine if lactic acid bacteria from which the product is made, PROBISAN RABBIT-MET, produce inhibition of the growth of E. coli strains, is performed a co-cultivation and subsequent unit count colony forming (UFC) in the middle of specific culture of E. coli (VRBG).

Figure 1. Co-culture results



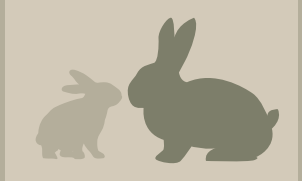
Antimicrobial activity is observed in all the confrontations tested with respect to the control (monoculture E. coli). The most effective co-culture was one that included the maximum concentration of live bacteria (1000x), which represents a reduction of the pathogenic bacteria by more than 99.99% (Figure 1).

The rest of clashes with lower concentrations are around the 91% reduction percentage.

Garantía de producción

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

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



PROBISAN **RABBIT-MET**

When to apply and dose to administer

The use of PROBISAN RABBIT-MET is usual in around-weaning and growth feed. It is convenient to apply to breeding mothers at least during the lactation cycle to reduce the rate of infection to the small rabbits in growth.

By not generating dysbiosis or having a withdrawal period, the product can be used without time limitations

Breeding	During 1° lactating period	1,5 kgs/tm.
	Continued use	1 kg./tm.
Around-weaning	Before weaning	2 kgs./tm
	After weaning	2 kgs./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 %

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