

# Zoolac in pigs

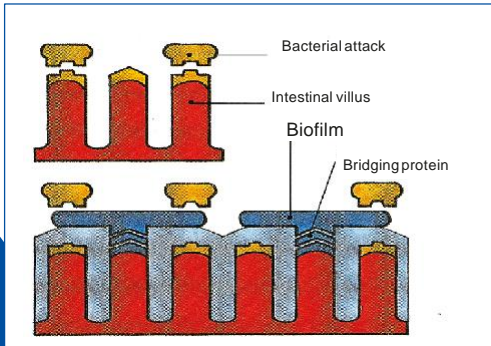
Animal Health



ChemVet Group



# ZooLac Feedgrade



## Product Description

Zoolac Feedgrade is a combination product produced by the fermentation of a growth media (sugars, etc.) by means of a special strain of *Lactobacillus acidophilus*.

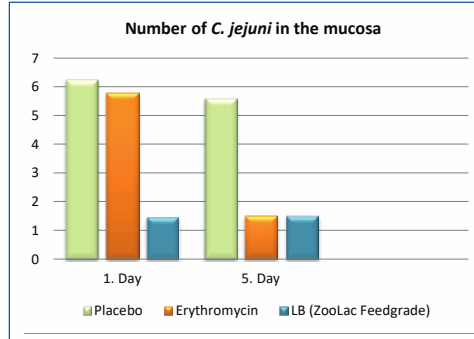
After fermentation, the pH is adjusted and the product heated to 140°C and then freeze-dried

Zoolac Feedgrade therefore contains:

Lactic acid, lactic acid salt and thermostabilized lactic acid bacteria.

## Protective film

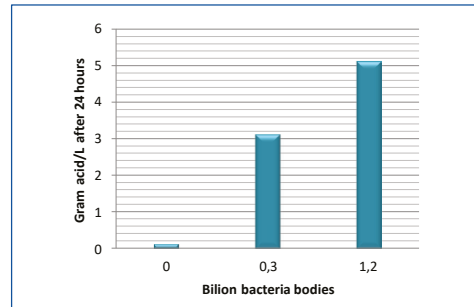
The thermo stabilized bacterial elements from ZooLac Feedgrade attach to the mucous membranes and form a physical barrier which prevents the harmful bacteria from becoming attached. Thus avoiding the harmful effect.



## Impact on harmful bacteria

In a study with *Campylobacter* infection in mice, ZooLac Feedgrade indicates just as good effect as antibiotics, but with full effect within one day, where it took 5 days with the antibiotic.

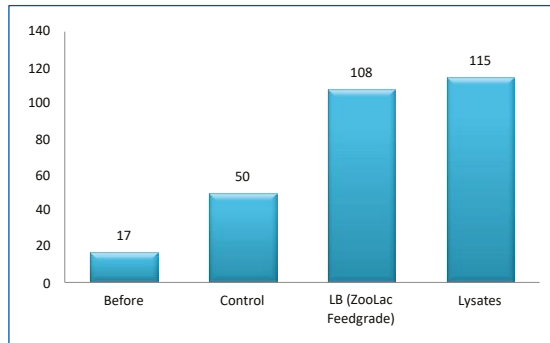
The impact of ZooLac Feedgrade on already established infection with *Campylobacter* unit.



## Stimulation of the intestinal flora

The acid production in the intestine is a direct manifestation of growth in the acid-producing part of the intestinal flora – which is the “good” part.

It can be seen then that the stimulation of the intestinal flora is high and dose-dependent.



ZooLac Feedgrade's immunostimulatory effect in relation to different pathogenic microorganisms.

## Stimulation of the immune system

It appears that the stimulation of the local immune system in the intestine is on a par with the reaction resulting from an infection with a pathogenic concentration of harmful bacteria.

## Mode of action

Feedgrade has three essential mode of actions:

- Formation of a PROTECTIVE FILM of thermostabilized bacterial elements on the mucous membranes of the gastrointestinal system.
- Stimulation of the “good” part of the natural intestinal flora for strong growth.
- Stimulation of the immune system in the intestines.

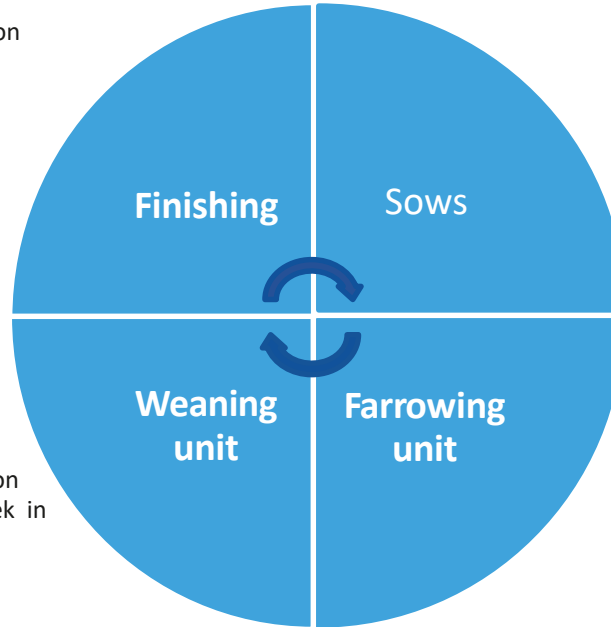


## The ZooLac effect on pigs

### Benefits from ZooLac:

- 0,5 kg ZooLac Feedgrade per ton of finished feed.

- 1 kg ZooLac Feedgrade per ton of finished feed for the first 2 weeks in weaning unit
- 0,5 kg ZooLac Feedgrade per ton of finished feed in the last week in the weaning unit.



- 0,5 kg ZooLac Feedgrade per ton of finished feed for the last 2 weeks before faring, or:
- 1 kg ZooLac Feedgrade per ton of finished feed for the last week before faring.
- 50 g Zoolac Plus in 500 liter of water or milk. 1 kg ZooLac Feedgrade per ton of finished feed.



**ZooLac  
Feedgrade**

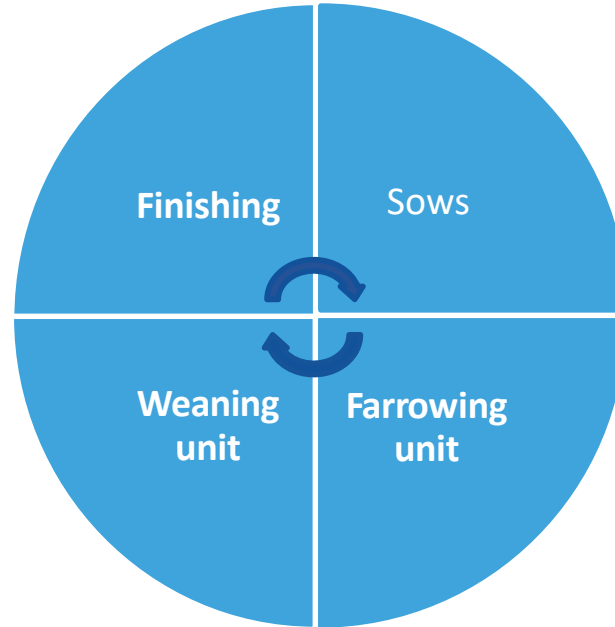


## The ZooLac effect on pigs

Benefits from ZooLac:

- Less antibiotics
- Less diarrhoea
- Better daily gain
- Better feed conversion

- Less antibiotics
- Less diarrhoea
- Fewer runts
- Better daily gain
- Better feed conversion



- Less antibiotics
- Less diarrhoea
- Better feed conversion
- Stimulates the immune system
- Less diarrhoea in piglets

- Less antibiotics
- Less diarrhoea
- Fewer runts
- Better daily gain
- Better feed conversion



**ZooLac**  
**Feedgrade**