



SALTOSE

New Bio-Culture & Enzyme Combination

Our *Bacillus* bacteria which are screened among 10,000 strains and special enzymes ensure the safety and health of poultry and livestock by controlling harmful bacteria (*Salmonella*, *E. coli*, *Clostridium*) and parasites (*Coccidium*, *Cryptosporidium*)

PIC-BIO INC. has been involved in research and development of remedies for not only production of antibiotic-free poultry and livestock but also enzyme products that are capable of preventing migration of zoonotic diseases as replacement of antibiotic for number of years since PIC-BIO INC. was incorporated. One of the enzyme products is "SALTOSE" by its trade name whose efficacy has been recognized by poultry and livestock industries in Japan and foreign countries.

What is SALTOSE?

SALTOSE is one of leading probiotics which contains *Bacillus* group, *Enterococcus* group and unique enzymes. SALTOSE can prevent and treat the bacterial and parasitic diseases with the characteristics of used bacteria and enzymes, and improve the productivity for poultry and livestock.

Ingredients and Characteristics

We have selected several strains of *Bacillus* group among more than ten thousand strains of *Bacillus* group which do not produce antibiotics, but produce unique enzymes which can break down the cell wall of bacteria and oocyst of some important parasites.

Bacillus strains and main enzymes

The *Bacillus* group:

1. *Bacillus licheniformis*
2. *Bacillus subtilis*
3. *Bacillus pumilus*

The main enzymes:

1. Beta-Xylanase
2. Cell Wall Lyase
3. Protease

1. Disease Control
Strong bacteriolytic effects against bacterial diseases and antiprotozoal effect against parasitic diseases through unique enzyme "Cell Wall Lyase" .
2. Improvement in Digestion
Disintegration of the cell wall of feed substances for improvement of productivity by enhancing digestion, feed conversion, and body weight gain.
3. Odor Control
Decrease of Ammonia and Hydrogen Sulfide in their excreta.

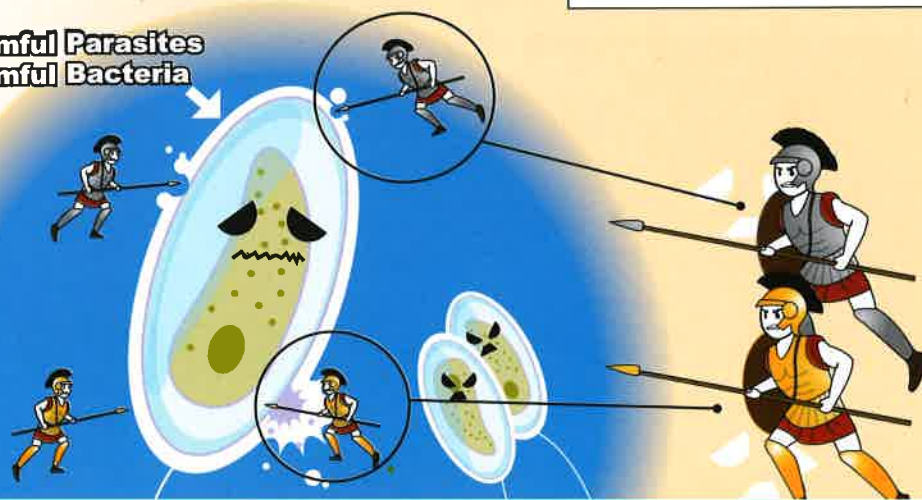
Lactic Acid Bacteria

The *Enterococcus* group:

1. *Enterococcus faecalis*
2. *Enterococcus faecium*

1. Improving ecological environment in intestines
2. Enhancing multiplication and growth of bifido bacteria
3. Prevention and elimination of harmful bacteria
4. Keeping microorganisms in rumen and caecum at normal conditions
5. Enhancing appetite of animals and also enhance their growth

Harmful Parasites
Harmful Bacteria



Our own developed Enzymes
(Cell Wall Lyase etc.)