



ProMOS ENZ

Powerful Synbiotic Fortified with Enzymes

ProMOS ENZ is a distinct & synergistic combination of probiotic, prebiotic and enzymes exclusively designed to improve the gut health, immunity & overall performance, which can be effectively utilised as a non-antibiotic growth promoter for poultry.

Probiotic - *Bacillus subtilis*

Probiotics or 'Direct Fed Microbes' are live microorganisms of non-pathogenic and nontoxic in nature, when administered through the digestive route, are favourable to the host's health.

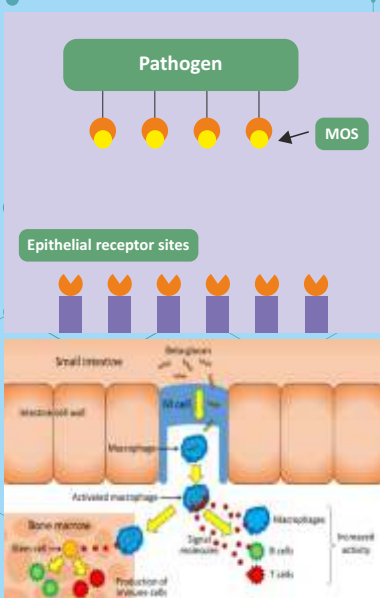
Bacillus subtilis is commonly found in ecological niches such as soil, water and air. Like many species of bacteria, members of the bacillus genus are capable of forming spores sense a favourable environment for the proliferation and undergo differentiation into active bacterial cells.

B. subtilis colonize the intestine, produce acids, which reduce the pH, inhibiting the proliferation of pathogens and it has an inherent resistance to environmental stress.



Prebiotic - MOS & β - glucans

Prebiotic is a non-digestible feed ingredient that beneficially affects the host by selectively stimulating the growth and the activity of beneficial bacteria in the intestine and thus improve the host health.



- Mannan oligosaccharide (MOS) is derived from the outer layer of yeast cell wall, *Saccharomyces cerevisiae*.
- It consists of mannose sugars with 1,3 and 1,6 β glycoside linkages
- Involves in the inhibition of pathogenic bacterial colonization to gut lining by binding to them and thus preventing them of proliferating and toxin production
- β -glucans are derived from yeast and composed of repeating D-glucose units joined together by glycosidic bonds in various conformations, resulting in either branched or linear structures
- Aids in upregulation of phagocytosis and bactericidal activity of intestinal macrophages
- Increases the flow of new immunocytes into the various lymphoid organs throughout the body.

Enzymes

Xylanase

Eliminates the anti-nutritive effect of NSP by partial hydrolysis of both soluble and insoluble NSP, which leads to the reduction of gut digesta viscosity, and the increase of nutrient digestibility.

Cellulase

Enhances the fibre digestibility & increases nutrient availability to the birds.

Amylase

Improves starch digestibility and increase the nutrient utilization.

Protease

Improves amino acid digestibility and starch accessibility. Reduces anti-nutritional factors and endogenous losses.

ProMOS ENZ - Salient features

- Non antibiotic feed additive with synergistic effect and complementary combination
- Maintaining normal intestinal microflora by competitive exclusion and antagonism
- Enhancement of growth of beneficial bacteria and suppression of growth of intestinal pathogens
- Increasing digestive enzyme activity and decreasing bacterial enzyme activity and ammonia production
- Helps in the synthesis of the vital B group vitamins
- Compatible with Coccidial control programs

ProMOS ENZ - Benefits

- Improves intestinal ecology by balancing the gut microbial population
- Harmonize functions of the digestive system and improves nutrient absorption
- Improves body weight gain & feed conversion efficiency
- Inhibits growth of diseases producing organisms
- Promotes the liveability & reduces the mortality rate
- Enhances the immune response against gut pathogens
- No residue carry-over in meat or eggs
- Enhances the nutrient utilization, thereby reduces the production cost

Recommended Usage: 400 -500 gm per MT of feed

Presentation: 20 Kg

Free From Hormones & Antibiotics

Animal/Poultry Feed Supplement

Not For Medicinal use

Not For Human Use

Catalyst LifeSciences Pvt. Ltd.

An ISO 9001:2015, ISO 14001:2015, HACCP Certified Company

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DISPOSAL OF BAD AND OUTER PACKAGE: Do not contaminate water, food or feed by storage and disposal. Completely empty container into application equipment. Triple rinse pail and offer for recycling or reconditioning. Containers can also be disposed of in a sanitary landfill or by incineration, or in accordance with guidance from your local waste regulation authority, such as by burning (if burned, stay out of smoke). When applying this product to water bodies, avoid solid particles from falling on nearby ground where birds and feed may be present.

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