Probiotic Paste

NUTRITIONAL AID

For use in diets of all classes of horses to support digestion.

FEATURES

- 1cc contains 1 billion CFU total lactic acid–producing bacteria
- Microencapsulation Technology
- Live Microorganisms

For Animal Treatment Only. This product does not contain restricted animal material.

Proudly American Owned & Manufactured

dac®

"IT MAKES A WORLD OF DIFFERENCE"

VITAMINS AND MINERALS FOR LIVESTOCK

Probiotic Paste

A NUTRITIONAL AID TO SUPPORT DIGESTION FOR HORSES AND RUMINANTS

SPECIAL INGREDIENTS

DAC® PROBIOTIC PASTE provides a supplemental source of live (viable) microorganisms to support digestion for horses and ruminants.

Probiotics – are living microorganisms which when ingested have beneficial effects on the equilibrium and the physiological functions of the intestinal microflora. Probiotics have been recently defined as "live microbes which transit the gastro-intestinal tract and in doing so benefit the health of the consumer". These natural additives help maintain the correct balance of micro flora in the small intestine and cecum to help bypass nutrients be completely digested in the gut. Viability of Probiotic bacteria in a product at the point of consumption is an important consideration for their efficacy, as they have to survive during the processing and shelf life of supplements, transit through high acidic conditions of the stomach and enzymes in the small intestine.

Lactic Acid Producing Bacteria - live lactic acid-producing bacteria may potentially improve health and performance. The observed benefits may result from: 1) competition against disease causing bacteria for attachment sites in the digestive tract, 2) competition against disease causing bacteria for essential nutrients, 3) production of antimicrobial substances, 4) increasing the growth of beneficial bacteria and 5) stimulating the immune system.

Microencapsulation - providing Probiotic living cells with a physical barrier against adverse external conditions is important to ensure optimal usage by the host. Encapsulation tends to stabilize cells, potentially enhancing their viability and stability in the production, storage and handling of lactic cultures. Encapsulation occurs naturally when bacterial cells grow and produce exo-polysaccharides. The microbial cells are entrapped within their own secretions that act as a protective structure or a capsule, reducing the permeability of material through the capsule and therefore less exposed to adverse environmental factors. Many lactic acid bacteria synthesize exo-polysaccharides, but they produce insufficient exo-polysaccharides to be able to encapsulate themselves fully.

Alltech®

FEEDING DIRECTIONS

DAC® PROBIOTIC PASTE can be fed with either fortified or unfortified grains. Fortified grains contain added vitamins and minerals. **DAC® PROBIOTIC PASTE** can be fed to all classes of horses and large ruminants. Feed **DAC® PROBIOTIC PASTE** at the following rates:

Horses:

Foals	5 cc per horse per day.
Adult	10 cc per horse per day.

Cattle:

At birth, weaning, for animals up to 400 lbs.	5 cc per animal per day.
At birth, weaning, for animals 500 to 800 lbs.	10 cc per animal per day.
Adult	15 cc per animal per day.

GUARANTEED ANALYSIS

(Per 1 cc):

Lactic acid producing bacteria (min) (1 billion CFU/g)

INGREDIENTS

Dried *Lactobacillus acidophilus* fermentation product, Dried *Enterococcus faecium* fermentation product, vegetable oil, corn starch, dextrose.

For more information...

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