

# PROBAC-5™

AN ADVANCED PROBIOTIC BLEND

**PROBAC-5™** contains a combination of yeast and enzymes that work in the rumen to improve feed digestibility and efficiency.

**PROBAC-5™** improves the protein and fiber digestibility of the TMR, thereby getting more nutrition out of the feed for the cow.

**PROBAC-5™** ensures optimal pH conditions for the endogenous enzyme function facilitating an optimal environment for feed digestion.

**PROBAC-5™** pre- and probiotics maintain a healthy gastrointestinal tract and stimulate normal gut development through the production of volatile fatty acids.



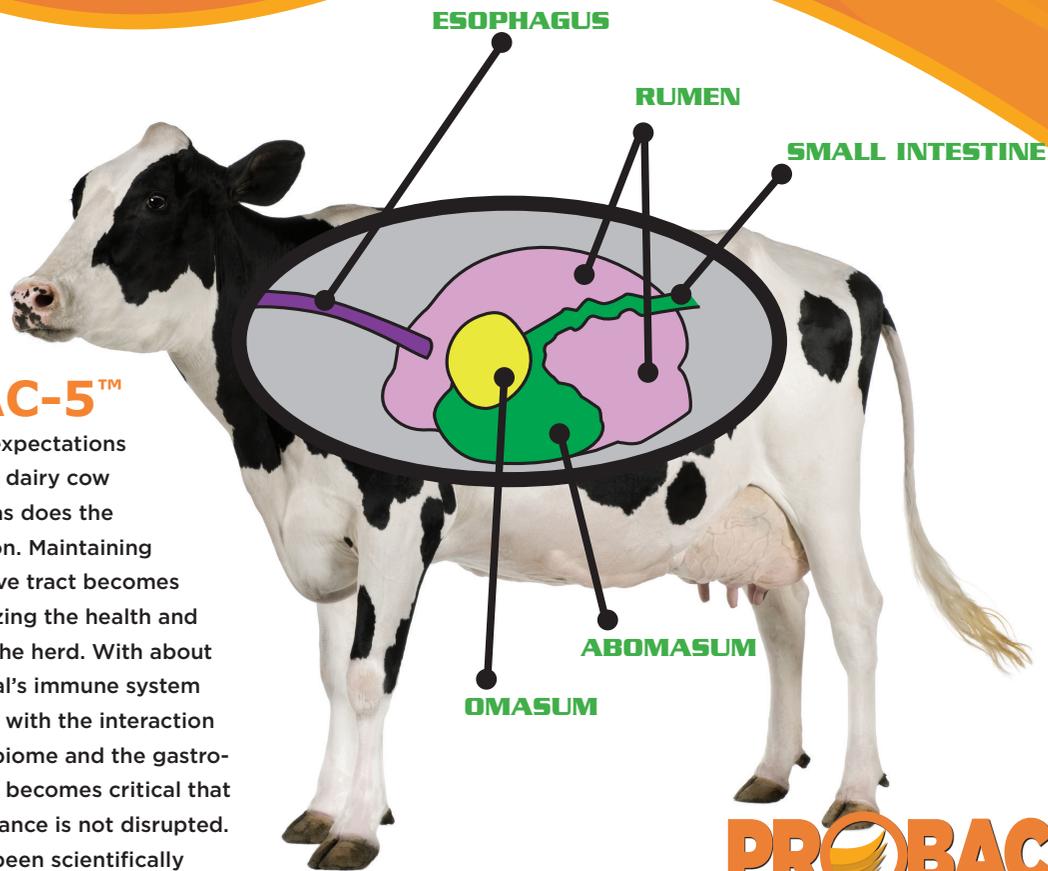
PROBAC-5™ is a blend of viable preparations of:

YEAST CULTURE  
SACCHAROMYCES CEREVISIAE  
LACTOBACILLUS CASEI  
ENTEROCOCCUS FAECIUM  
BACILLUS LICHENIFORMIS  
BACILLUS SUBTILIS  
ASPERGILLUS ORYZAE

a source of enzymes

•AMYLASE •PROTEASE •CELLULASE

# 80% OF THE ANIMAL'S IMMUNE SYSTEM DEPENDS ON A CRITICAL MICROBIAL BALANCE



## PROBAC-5™

The production expectations from the modern dairy cow continue to rise as does the cost of production. Maintaining a healthy digestive tract becomes critical in optimizing the health and performance of the herd. With about 80% of the animal's immune system being associated with the interaction of the gut microbiome and the gastrointestinal tract it, becomes critical that the microbial balance is not disrupted.

Probac-5™ has been scientifically designed to provide both pre- and probiotics (DFM's) together with enzymes to help balance the activity of the gastrointestinal tract. The components of Probac-5™ are designed to target specific regions of the GI tract to maintain this balance.

The yeast culture, live yeast, and fungal enzymes help maintain a healthy rumen pH, increase the digestion of the feed, and balance the rumen microflora. The increase in fiber digesting bacteria and the lactic acid utilizers in the rumen optimize the nutrients for absorption, thereby improving

production and feed efficiency.

Active probiotics provide beneficial bacteria to help target and balance the lower GI tract by competitive exclusion of the pathogenic bacteria, maintaining the acid pH, interacting with the gut wall to maintain a healthy immune system, and activation of the endogenous enzyme system to improve lower GI tract feed digestion.

A healthy GI tract means a healthy and productive animal.

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