

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

***PROBAC-5<sup>+</sup>*** with ***Bovamine***<sup>®</sup> contains a combination of yeast and enzymes that work in the rumen to improve feed digestibility and efficiency.

***PROBAC-5<sup>+</sup>*** with ***Bovamine***<sup>®</sup> improves the protein and fiber digestibility of the TMR, thereby getting more nutrition out of the feed for the cow.

***PROBAC-5<sup>+</sup>*** with ***Bovamine***<sup>®</sup> helps maintain optimal rumen pH for efficient fermentation and enzyme function, increasing nutrient availability.

***PROBAC-5<sup>+</sup>*** with ***Bovamine***<sup>®</sup> pre- and probiotics maintain a healthy gastrointestinal tract and modulate immune response and inflammation in the gut wall.



5482 ETHAN ALLEN HIGHWAY,  
NEW HAVEN, VT 05472

**(802) 453-6684**

FEED@PHOENIXFEEDS.NET  
WWW.PHOENIXFEEDS.NET



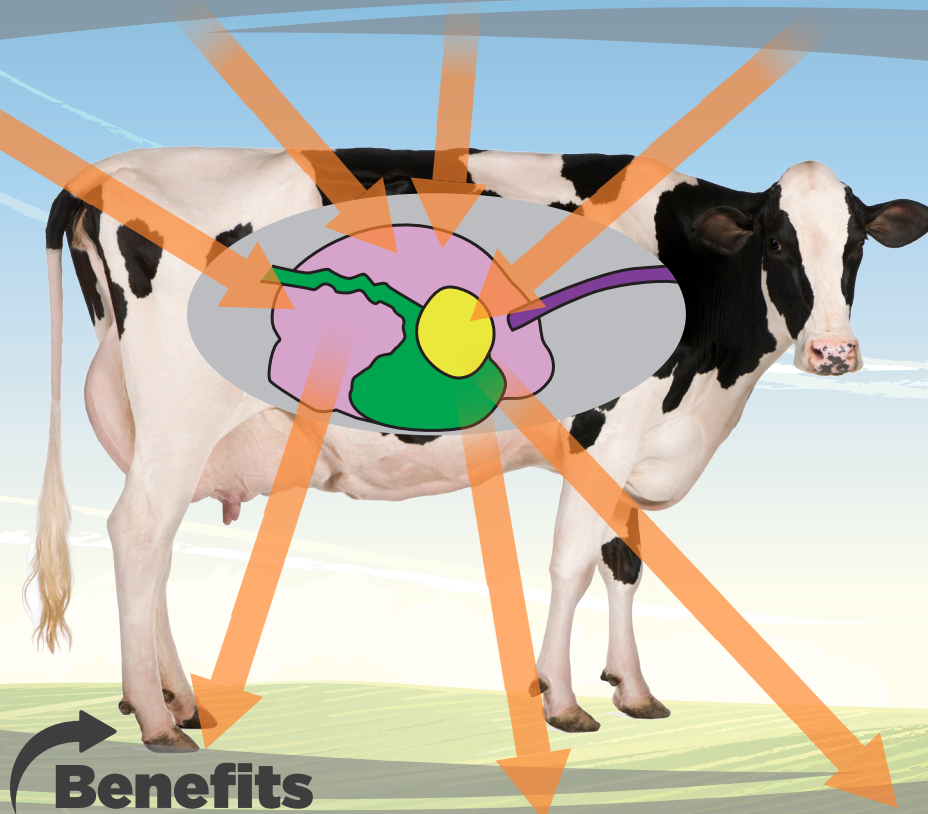
## Direct Actions

UTILIZATION OF LACTATE

COMPETES WITH  
BACTERIA FOR SUGARS

OXYGEN SCAVENGING

PRODUCTION OF VIT. B12



**Improvement  
in rumen  
flora and  
fermentation,  
reduces effects  
of SARA**

## Benefits

INCREASED FIBER  
DIGESTION

INCREASED AND  
STABILIZATION OF RUMEN pH

SUPPLY OF VIT. B12 TO  
THE HOST

**PROBAC-5<sup>+</sup>**  
WITH BOVAMINE

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 gastro-intestinal tract it, becomes critical that the microbial balance is not disrupted.

**Probac-5<sup>+</sup> with Bovamine<sup>®</sup>** 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<sup>+</sup> with Bovamine<sup>®</sup>** 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.

**PROBAC-5<sup>+</sup>**  
WITH BOVAMINE