

ADVANTAMOS™



ENZ A BAC

ADVANCED PRODUCTS®

SCIENCE & NATURE IN BALANCE

ADVANTA MOS

ADVANTA MOS is a yeast cell-wall product that binds pilliform pathogens so they cannot attach and damage gut cells.





ADVANCED PRODUCTS®

TRUST OUR GUT INSTINCT

Enz-A-Bac knows what your animal's digestive tract is trying to tell you

Livestock are exposed to disease and environmental stressors throughout various stages of development. As a result, the adverse effects on the animal's performance can have a negative economical impact on the farm. Gut health, immunity and microbial population are critical to the success of both young and mature animal performance. For more than 50 years, Enz-A-Bac's science-based, cost-effective nutritional supplements for dairy and beef cattle, poultry and swine have been helping livestock producers, nutritional consultants and feed companies balance the nutrient needs of the herd. This has positively affected the animals' performance and farmers' wallets.

Prebiotics can help livestock maintain a healthy gut in the same manner grass in a well-managed lawn crowds out weeds. The natural prebiotics comprising the bulk of Enz-A-Bac's innovative and GMO-free product line incorporate ethanol-derived yeast and beneficial bacteria that help:

- Boost growth
- Increase production
- Enhance digestibility
- Reduce illness
- Improve stress resistance
- Lessen mortality rates
- Improve profitability



ADVANTA MOS

● WHAT IS ADVANTA MOS?

ADVANTA MOS™ is a prebiotic and is composed of an insoluble Mannan Oligosaccharide and Beta-glucan complexes which have been extracted from the cell wall of ethanol yeast (*Saccharomyces cerevisiae*). *Saccharomyces cerevisiae* cell wall is an important source of MOS, "Mannan Oligosaccharides", which act in the gut of animals, capturing hostile gut-wall-attacking bacteria like *E. coli*. MOS locks into the molecular structure of hostile bacteria and carries them safely outside the body.

● USE ADVANTA MOS

- During periods of environmental stress
- When increased bacterial populations exist
- In confirmed cases of *E. coli* and *Salmonella*
- During periods of gain or high production
- During recovery from disease

● RECOMMENDED FEEDING RATE

Dairy cattle: 10.0 grams/head/day.

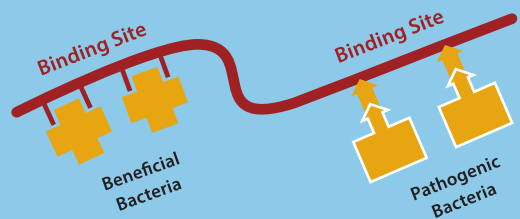


ENZ A BAC

ADVANCED PRODUCTS®

INTESTINAL COLONIZATION EXPLAINED

INTESTINAL COLONIZATION



- Beneficial bacteria and pathogenic bacteria have different binding sites.
- Infection begins when pathogens bind to the intestinal walls.

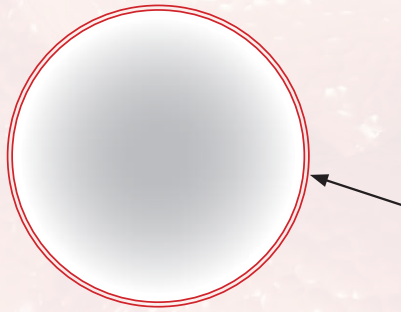
INTESTINAL COLONIZATION WITH MOS SUPPLEMENTATION



- Complex is flushed out through the intestines.

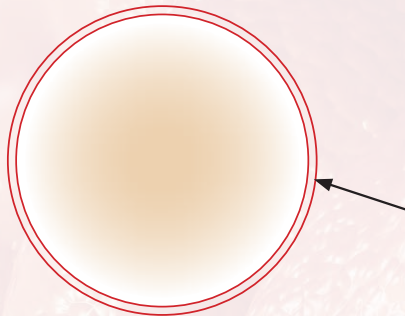
YEAST CELL TYPES

Baker's Yeast



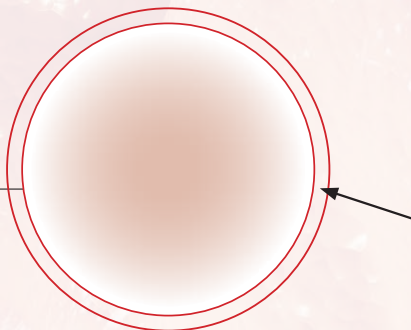
THINNEST
CELL WALL

Brewer's Yeast



THICKER
CELL WALL

Ethanol Yeast



THICKEST
CELL WALL

**ADVANTA
MOS**



HOW ADVANTA MOS HELPS

Enz-A-Bac’s innovative and GMO-free ADVANTA MOS product incorporates ethanol-derived yeast and beneficial bacteria that help:

- Boost growth
- Increase production
- Enhance digestibility
- Reduce illness
- Improve stress resistance
- Lessen mortality rates
- Improve profitability (no matter the quality of your forage)

OUR RESEARCH HAS SHOWN THAT ADVANTA MOS IS EFFECTIVE AT BINDING **93.4%** OF SALMONELLA SPECIES AND **95%** OF E. COLI SPECIES TESTED.



Typical Analysis

Total Glucomannans %	47 - 55
Beta glucan %	(Min.) 23.0
Mannan Oligosaccharides %	(Min.) 25.0
Protein %	(Min.) 28.0
Ash %	(Max.) 8.0
Fiber %	(Max.) 4.0
Moisture	(Max.) 8.0
Form	Fine Powder
Color	Beige
Odor	Faint
pH	5.5
Total Plate Count (CFU/g)	<15,000/g
S. aureus	Negative
E. coli	Negative
Ps. Aeruginosa	Negative
Total Combined Mold & Yeast (CFU/g)	< 100/g
Salmonella	Negative

WHY ENZ-A-BAC?

Proven technology, reliable results, and a high return on investment are not the only distinct advantages our customers enjoy. Our company’s vertical integration and small size help us maintain unparalleled product quality and consistency while giving Enz-A-Bac the flexibility necessary to respond quickly to individual customer needs and develop customized “win-win” animal-health solutions.



ADVANCED PRODUCTS®

www.enzabac.com

enzabac@enzabac.com

877.736.1607