

# BUILD A BETTER CALF<sup>®</sup>

# TRI-PURIFY

## NUTRACEUTICAL AND DIRECT-FED MICROBIAL (DFM) FOR YOUNG CATTLE

Helps purify the gastrointestinal system during digestive upsets



### AVAILABLE PACKAGE SIZES

- 36 ct. jar
- Case = 8 jars
- Shipper case = 32 jars (4 - 8 ct. cases)

### STORAGE

- Store in a cool, dry place with cap secure.

### RESEARCH-SUPPORTED FEATURES AND BENEFITS

Provides pure, natural essential oils selected specifically for the young animal

- Strong antibacterial effects (cleansing action), which improve the natural immune system

Contains nutraceuticals, Mannan Oligosaccharides (MOS), a fermentable carbohydrate environment of the digestive tract

- Provides metabolites to feed beneficial bacteria shown to improve animal performance and improve intestinal microflora

Contains live lactic acid forming bacteria (LABs) and *Saccharomyces cerevisiae boulardii*

- Enhances the environment of the digestive tract and promotes gastrointestinal microflora improving average daily gain

Utilizes state-of-the-art packaging with low moisture carrier and moisture scavengers

- Guaranteed LIVE product with 12-month shelf life

Capsule form (blue color)

- Administered easily with any standard calf balling gun

### DIRECTIONS FOR USE

Administer 1 capsule

- At three days of age
- Upon receipt of incoming calves
- During periods of or after digestive upsets/dyspepsia (scours)

### Caution

Tri-Purify is not intended for continuous use. For best results, administer after fluid or feed intakes. Tri-Purify should not be administered before three days of age.

## RESEARCH

### Tri-Purify Trial Results

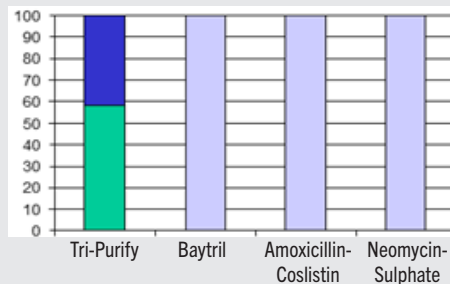
**Setup:** Suckling calves with *E. coli* diarrhea

**Parameters:**

1. Number of recovered animals
2. Treatment period

**Treatments:**

- Group 1 - Tri-Purify capsules; 1 treatment/calf
- Group 2 - Baytril 2.5%; 5 mg/kg for 2 days
- Group 3 - Amoxicillin-Colistin; 1 ml/kg for 3 days
- Group 4 - Neomycin Sulphate; 18 mg/kg for 5 days



Both Tri-Purify capsules and the antibiotics used cured 100% of the animals infected with diarrhea. The effects of calves administered Tri-Purify capsules were achieved much quicker than with antibiotic treatment. The calves in the trial group were continuously fed milk.

No electrolytes were fed additionally. The calves treated with Tri-Purify capsules were much less dehydrated and growth and weight gain were continuous even during the infection.

Summary: Tri-Purify protects the villi against pathogens resulting in greater nutrient absorption.

Fewer antibiotic treatments are needed to raise calves, reducing cost of production.

Bacillus produce antimicrobial peptides called bacteriocins that kill or inhibit the growth of other bacteria like *Clostridium perfringens*, *Staphylococcus aureus*, *E. coli* or *Streptococcus* spp.



*Clostridium perfringens*  
*Staphylococcus aureus*, -b and -a  
*E. coli*  
*Salmonella typhimurium*



*Bacillus licheniformis*  
*Bacillus subtilis*



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