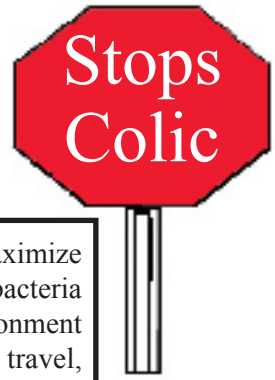


# PRO BI™

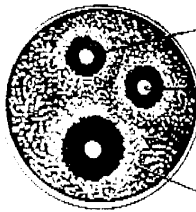
Microbial Benefits



**PRO BI™** is a biological feed additive designed to maximize digestive efficiency. An animal's beneficial intestinal bacteria can be destroyed or depleted and the pH of their environment can be altered during times of stress. Competition, travel, breeding, treatment with antibiotics, de-wormers and other medications can cause this stress. Stress can also be created by alterations of weather, environment, feed, and water.

In Antibiosis studies, **PRO BI™** exhibited a retardation of the normal development cycle of these pathogenic organisms.

Petri Dish



Measurable Zone of Inhibition

Colony of active ingredients in **PRO BI™**

E. Coli

**INGREDIENTS**  
Lactobacillus Acidophilus  
Fermentation Product, Aloe Vera, Chlorophyll Liquid, Peppermint, Ginger, Dandelion, Violet Leaves.

## Inhibition Level

	Moderate 12 to 14 mm	Strong 15 to 19 mm	Very Strong 20 mm
Acinetobacter sp.	16 mm		
Salmonella enteritidis	16 mm		
Serratia marcescena	16 mm		
Staphylococcus aureus	16 mm		
Streptococcus pyogenes	16 mm		
Proteus sp.		17 mm	
Pseudomonas aeruginosa		17 mm	
Salmonella newport		17 mm	
Salmonella schottmuelleri		18 mm	
Salmonella typhimurium ATCC 13311		18 mm	
Shigella dysenteriae		18 mm	
E. coli		18 mm	
Klebsiella pneumoniae ATCC 13886		19 mm	
Salmonella choleraesuis			19 mm
Salmonella typhi			19 mm
Streptococcus equinus			19 mm
Bacillus subtilis 1A43 "Upjohn Strain"			20 mm
Streptococcus bovis			21 mm
Clostridium perfringens			22 mm
Sarcina Lutea			22 mm
Corynebacterium sp.			22 mm

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Research has proven that there are two basic types of microorganisms. The majority are beneficial or good bacteria, and the others are pathogenic or bad bacteria. **THE KEY IS BALANCE** of good and bad bacteria. When proper balance is maintained, an animal is healthy, grows at a good rate and converts feedstuffs efficiently. Animals become ill when balance is upset due to stress or other factors. Feed conversion and animal health can decline.

Knowing this balance is important, companies started providing direct-fed microbial (pure cultures). The purpose was to give high levels of healthy or good bacteria to prevent the bad bacteria from taking over the system. This has led to a numbers contest where producers buy high concentrations of good bacteria. Lactobacillus Acidophilus is one of the most common. When we examine how these microorganisms function, we find some interesting points. Lactobacillus Acidophilus does not attack bad bacteria. It is a Probiotic that competes for space. Once established, it develops a zone around itself where pathogenic (bad bacteria) do not grow. This area is called the “zone of inhibition,” and it prevents the growth and development of pathogens. **PRO BI™** provides these properties, which is why **PRO BI™** functions without live organisms.

**PRO BI™**, in final form, is not a source of live organisms. However, it does supply the by-products they produce. The active ingredients in **PRO BI™** retard the growth of 22 pathogenic organisms. **PRO BI™** provides the benefits obtained from live cultures without the problems and concerns of using pure cultures.

### The Digestive Tract First-Aid Kit

**NEVER BE WITHOUT IT!**

## When and How to Use **PRO BI™**:

**Horses:** Before, during and after travel and competition. Along with de-wormers, antibiotic and other drug therapies. Use also with alterations of feed, water and/or environment: 1/4 oz. twice daily, orally or with feed. **Foals:** Administer 1/2 oz. shortly after birth.

**ADMINISTER:** 1oz. orally, immediately and contact your local Veterinarian for appropriate diagnostics and treatment, if necessary.

**Swine:** Baby Pigs (Scours): 1 ml (cc) twice daily syringed or 2 ml (cc) per gallon of milk replacer.

**Cows:** Bloat: 30 ml (cc) daily on feed, tubed or syringed orally. **Calves:** Administer 10 ml (cc) shortly after birth.

**Receiving or Stressed Calves:** 10 ml (cc) daily for 7 days on feed or syringed orally.

**Maintenance for Calves:** 5 ml (cc) daily on feed as needed.

**PRO BI™ may be used with milk replacer as indicated below:**

**Receiving:** 2 ml (cc) per calf per day for 7 days.

**Maintenance:** 1 ml (cc) per calf per day.

**Small Animals:** Twice daily, orally or on food.

**Dogs:** 20 drops and 10 drops thereafter. **Cats:** 10 drops and 5 drops thereafter.

**MAY BE USED AT ANY SIGN OF DIGESTIVE DISORDERS LIKE DIARRHEA OR COLIC.**

**Note:** Can be syringed, if needed. (Can be used with veal calves.)  
Call 1-866-435-3837 for complete instructions on administration for all livestock.

**PRO BI - 1 Gallon** Item Number: A117

**PRO BI - 16 OZ** Item Number: A118

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