



# PRO BI™

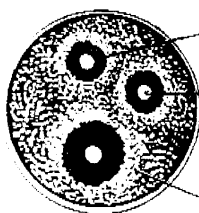
## Microbial Benefits

**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.

**INGREDIENTS:** Water, Liquid Lactobacillus Acidophilus Fermentation Product, Yucca Schidigera Extract, Organic Aloe Vera Gel Concentrate, Lactic Acid, Organic Coconut Oil, Organic Barley Hulls, Salt, Yeast Culture, Organic Ginger, Organic Peppermint, Organic Sweet Orange Peel, Organic Dandelion, Organic Violet Leaves, Organic Gentian Root.

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

## 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 marcescens	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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# PRO BI™

## Microbial Benefits

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:** Use 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: **7.5 cc (ml) twice daily, orally or with feed.**

**Maintenance:** 10 cc (ml) daily.

**Foals:** Administer 15 cc (ml) shortly after birth.

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

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

**Receiving or Calves with reduced feed intake:** 10 cc (ml) daily for 7 days on feed or syringed orally. **Maintenance for Calves:** 5 cc (ml) daily on feed as needed.

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

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

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

**Note:** Can be syringed, if needed. (Can be used with **veal calves**.)

Call 1-800-373-5971 for complete instructions on administration for all livestock.

Allow 60-90 minutes after any medication before administering PRO BI.

(1 oz = 30 ml)

**PRO BI - 1 Gallon** Item Number: A117 (768 doses)

**PRO BI - 16 OZ** Item Number: A118 (96 doses)

(1 dose = 5cc per day)



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# Customer Feedback for **PRO BI**<sup>TM</sup>

“I love the product - by adding **Pro Bi** along with a few other management practice changes, I have seen a drastic improvement in my animal. He has gained almost 75 lbs in under a month! I was at my wits end, and by adding **Pro Bi** & pasture board to my regimen of Succeed & Omeprazole, I have never seen my horse this healthy. I can't wait to wean him off his ulcer medication and see how he does.

Thanks again for the product & the quick response to my questions. I really appreciate your excellent customer service.”

- Julia C.

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“I just wanted to thank you for your wonderful product – I am an endurance rider and use **Pro Bi** at the rides. This weekend, I had a horse develop impaction colic following a change of weather. I remembered a speaker telling me at Julie Jackson's clinic last year that if I gave my horse **Pro Bi**, I would have a horse to treat when the vet arrived.

The vet would not make an emergency farm call late at night on a Sunday and told me to come to the clinic Monday morning. I was desperate – I gave my horse banamine and **Pro Bi** and said a few prayers. I am so happy to tell you that after two days in the hospital, my horse made it home without surgery. I credit **Pro Bi** for keeping the gut intact.

Thank you for a wonderful product. It is my favorite completion award at endurance rides. I received some **Pro Bi** at Tony Troyer's ride and could not have been happier! Everyone should have several bottles on hand. I have always used it as a preventative, but it really saved my horse's life when he needed it most.”

- Vicki W.

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“I needed to transport my horse from Virginia to Nevada. Dr. Joyce Harman suggested giving her **Pro Bi** before, during and after her transport. She got it before and after, not sure how many times during. She did so well. The transporter said if more horses were like her, their job would be really easy. She arrived with wobbly legs from 5 days on board (including being near tornadoes in OK), but she walked off, ran off a little energy in the round pen, and rested in a non-moving pen. She remains her normal, calm self despite the changes. She likes the taste of the **Pro Bi**. She searches me over to find the **Pro Bi** and smacks her lips a lot while she swallows it. I won't say she likes it better than apples, but it's close!”

- Donna

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“Our dog had been bitten or stunk by something - we tried everything! I called Jim for advice – He recommended putting **Pro Bi** on it – I started right away – the first day I took a towel and padded the **Pro Bi** on the sores three or four times. Within 24 hours, it started looking better! We were shocked! I purchased a small spray bottle and continued 2 or 3 times a day just spraying the **Pro Bi** on the wound – It was amazing how well it worked!”

Before Pro Bi



After 1 week with Pro Bi



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"This is a short story about Ole Roy, a 20-year-old Palomino Quarter horse who nearly died of colic in July of 2012:

On a Friday evening in July 2012, a powerful storm blew 5 bales of alfalfa hay from a loft, into the pen of Roy (20-year-old Quarter horse) and a mule. Roy's gut was stuffed full of hay when the owners (Jean & Don Brown) found him the next day. Only three bales of hay were recovered from the pen. Saturday afternoon, Roy was in trouble when he started rolling & thrashing on the ground. The vet came out Saturday to treat him for impacted colic. Roy's pulse rate was 120 beats per minute. Jean & Don were up for two nights walking Roy, keeping him on his feet. Monday morning the horse was not improving, and the vet was scheduled to come to put Roy down at noon. When I heard about Roy's condition that morning, I went to see Roy and offered a large dose, 25ML, of **Pro-Bi** to the horse. Roy's owners were a bit hesitant to allow me to give Roy the **Pro-Bi** without an OK from the vet, but I convinced them to try the product. When I left Roy, my last thought was, 'He is not going to make it.' Jean, the owner of Roy, continued to walk him until the vet arrived. Roy had not had passed any manure in 48 hours. When the vet saw Roy on Monday, he said that Roy wasn't ready to be put down yet, even now that his pulse rate was still at 80 beats per minute, with Banamine. The vet said, "Let's give him another eight hours and keep walking him." Monday evening, Roy started to pass manure. On Tuesday morning, Roy was still standing and eating a little grass hay – I couldn't believe it, neither could the vet. The owners of Roy and I are convinced that it was the large dose of **Pro-Bi**, and a ton of prayers from Don & Jean, as they spent two nights walking Roy, that saved Roy's life. Roy still lives today with his buddy the mule, in Garden Valley, Idaho.

The owners of Roy, Jean & Don Brown, gave me permission to write this story about Roy. Jean & Don are in their 70's and no longer ride Roy or the mule in the wilderness of Idaho."

- Written by Shelly Kayser, Garden Valley, ID

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# Colic Treatment Protocols

*By the late Glen Dupree, D.V.M*

I have been trying to develop plans and protocols for commonly seen maladies in my practice which are not reliant on conventional medicines. One area where I have been most successful is with horse colic. The following is a quick guide to my approach to the most common presentations of colic using **MOP**, **PRO BI™**, and Homeopathic remedies.

As always, I have the owners keep the horse up and walking between the time they call and my arrival on the farm.

On my arrival to the farm, the first step in treating any colic is to evaluate the situation and the patient. I give a quick but complete physical exam while I question the owner about possible causes and to get a description of what the horse has been doing.

The next step is to pass a nasogastric tube and continue to have the horse walked while the medicines are readied.

Up to this point the approach is the same as I would use when I was treating the horses with conventional medicines. This short exam has given me the necessary information on cardiovascular status, hydration status, gastric reflux, free gas and trapped gas pockets, and the basic feel and lay of the intestines.

Now instead of reaching for the mineral oil and the flunixin (or dexasone or bute or whatever the favorite pain killer of the day happens to be), I try to tailor my treatment protocol to the patient and what has been discovered during my examination.

If I pass the stomach tube and large volumes of reasonably fresh smelling gas (you have to use all of your senses to evaluate the patient so, yes, you do have to smell the gas coming from the stomach) is released, I don't worry so much about putrifying materials in the stomach. My main concern is to control the gas production so I start with 3-5 ounces of **PRO BI™** flushed down the nasogastric tube. I will follow this in 15 to 20 minutes with several scoops of **MOP** mixed in a gallon of water flushed down the tube. I feel this is important in preventing the complications of colic seen the day after recovery - founder/laminitis, diarrhea, etc. My thinking is that the **PRO BI™** has begun to normalize the environment in the stomach/intestines and now I need something to absorb the accumulated enterotoxins and to repopulate the bacteria in the GI tract.

If I pass the stomach tube and get a sour/putrified smell and no fluid reflux, I need to dilute the putrifying material and neutralize/absorb the accompanying toxins first. In these cases I will flush several scoops of **MOP** mixed in 1-2 gallons of water down the tube. I will follow this in 15-20 minutes with 3-5 ounces of **PRO BI™** and more water and **MOP** 15-30 minutes after the **PRO BI™**.

At the same time as I am administering the **MOP** and **PRO BI™** and trying to reestablish normal gut function with these measures, I am assessing the patient from the Homeopathic point of view. I have found that the majority of the colics I see will respond to either Aconite, Nux Vomica, or Colocynthisis. I will select what seems to be the best indicated remedy and will give it in a 200c or a 30c potency every 5-10 minutes for 3-5 doses (or until I see a favorable response, whichever comes first). If I see no improvement after 3 to 5 doses, I look for a better remedy for this particular patient.

In selecting the Homeopathic Remedy, I use the key note indications of the remedies. If there was a sudden change of weather, I will probably start with Aconite. If the horse has gotten into some bad feed or too much feed, has eaten bad/moldy hay, or has had any other type of dietary change prior to the colic, I will probably start with Nux Vomica. If the patient presents with violent, doubling cramps or if there is a persistent cecal ping when the abdomen is percussed, I will probably start with Colocynthisis.

Using a combination of these simple medicines, I have been able to help resolve about 90% of the colics seen in this practice over the past 18 months. The others have either needed a different Homeopathic Remedy or were surgical candidates.

In the horses successfully treated with this protocol, none have suffered any ill effects from the colic such as laminitis, diarrhea or adverse drug reactions.

The biggest draw back to this approach is that it takes more time than the flunixin/mineral oil approach. You cannot be impatient or panicky since you are working with the body's own healing potential, rather than relying on the quick but artificial manipulations of conventional medicines.

Colic represents a potentially life threatening condition in horses and should always be treated by someone trained in equine medicine but maybe these suggestions will help until the veterinarian arrives or maybe will help your veterinarian think of other ways of helping your horse.

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