



relieve

WHAT CAUSES DIARRHEA?

Although diarrhea can be seen with enteritis, it is not always associated with inflammation of the bowel. In foals, causes of diarrhea may be secondary to non-infectious foal heat diarrhea or dietary issues. In adults and adolescent horses, a bacterial infection (*Clostridium difficile*, *Clostridium perfringens*, *Salmonella*, etc.), viral infection, parasitic infection, or cryptosporidium can be responsible. Obtaining fecal samples for either cultures or PCR (DNA) testing can be utilized to identify the specific cause.

In a general categorization, bacterial toxins cause a secretory diarrhea while viruses can result in a malabsorptive diarrhea. Malabsorptive diarrhea is the inability of the intestinal tract to reabsorb water and nutrients, and secretory diarrhea results in the hypersecretion of both water and electrolytes into the intestinal tract. In severe infections, bacteria and viruses can result in both secretory and malabsorptive diarrhea.

In many cases of adult diarrhea, the horse recovers before the cause is known. Within a horse's GI tract, a healthy microflora is an essential part of the normal digestive processes. If the normal balance of bacteria is upset by a sudden change in diet, stress, or antibiotic treatment, digestion is upset and diarrhea may follow. *To learn more about the intestinal microflora, read Revyve section.*

WHAT ARE COMMON SYMPTOMS OF DIARRHEA?

In most cases, it is obvious when a horse has diarrhea, but often the difficulty is in diagnosing the cause.

WHICH HORSES ARE MOST PRONE TO DIARRHEA?

Unfortunately, diarrhea is common in adolescents as well as adult horses. However, horses that have recently changed diets or been exposed to stress are more prone to diarrhea.

RETHINK the products you use for them



HOW DO YOU TREAT DIARRHEA?

Symptomatic treatment includes removing any obvious cause or exacerbating problems such as green grass, rich feed and antibiotic treatment. If the diarrhea is severe or symptoms persist, then treatment is necessary. Treatment for diarrhea is directed towards supportive care (fluid therapy, nutrition) and targeted treatment for the specific infection as determined by clinical and diagnostic testing. Intestinal adsorbents, antidiarrheals, and electrolytes may be administered as needed.

RETHINK **Relieve**

WHAT IS RELIEVE FOR?

Relieve is an intestinal adsorbent that helps restore digestive balance in foals and adult horses, while offering greater adsorption of viruses and bacterial toxins.

HOW DOES RELIEVE WORK?

Relieve contains the only ultra-purified bentonite clay available in veterinary medicine, offering a superior surface area for greater adsorption of viruses and bacterial toxins to restore digestive balance, and L-glutamine, an amino acid that improves GI mucosal healing.

Bentonite clay, the commercial name for montmorillonite clay, is the active mineral derived from weathered volcanic ash. The molecule has unusual geometric properties of a sheet-type or platelet structure, with an extremely large surface area and inherent negative charge. Relieve utilizes the unique molecular structure of bentonite, and triple-filters it with both hydro and centrifugal forces to remove any non-clay particles. This process produces a bentonite clay that is superior to others, with 100% active ingredients in each gram.

The other key ingredient in Relieve is L- glutamine, the most abundant amino acid in the body. It has properties known to aid in repair of intestinal tissue and enhances the immune system, quickly aiding in bringing your horses intestinal tract back into balance.



RETHINK Relieve

INTESTINAL ADSORBENT

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Relieve is designed to help restore normal gastrointestinal function as an adjunctive treatment for both viral and bacterial causes of diarrhea.

Relieve utilizes bentonite clay that is triple filtered via hydro and centrifugal forces to remove any non-clay particles. This superior ultra-purified product bonds to a variety of toxins and allows for a higher adsorption of toxins and bacteria per gram. There is no other veterinary bentonite clay product available that has gone through this stringent process.

Relieve contains L-glutamine, an amino acid that improves GI mucosal healing and enhances the immune system.

Relieve comes in an easy to administer dial-a-dose® syringe.

Relieve works well in combination with Relyte^{HA} to replenish electrolytes while also adsorbing the cause of the diarrhea.



Ingredients:

Water, ultra-purified bentonite clay, L-glutamine, xanthan gum, salt, pectin (citrus), sodium benzoate, methylparaben and artificial flavors.

Directions for use:

Foals: 30-60 cc orally 2-4 times a day or as directed by your veterinarian.

Adult Horses: 120 cc orally 2-4 times a day or as directed by your veterinarian.

Discontinue use 1 day after normal GI function returns. If no improvement is noted after 5 days, discontinue and consult veterinarian.

Available Sizes:

60 cc - \$13.50 retail
Available individually or as a case of 20 syringes.