

Gut Buf for Horses

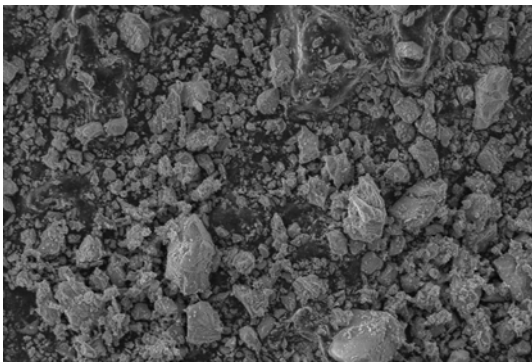


A Powerful Ant-Acid and Natural Source of Bioavailable Calcium and Magnesium

The active ingredients in *Gut Buf for Horses* reside in the calcified skeleton of red sea weed (*Lithothamnion calcareum*) which grew in the pollution free, mineral rich waters of Iceland and southwestern Ireland.

Gut Buf for Horses: A Unique Structure.

The open and porous structure of *Gut Buf for Horses* provides a high surface area (> 280 square yards per ounce) to volume ratio allowing for greater contact with the digestive juices in the stomach than calcium carbonate. In mice supplemented with *Gut Buf for Horses* versus calcium carbonate, the *Gut Buf for Horses* treatment resulted in a 13.7% improvement in bone density with 11.1% more calcium absorbed.



Calcium Carbonate has a harsh crystalline structure with no evidence of a porous structure.

Composition

Calcium Carbonate

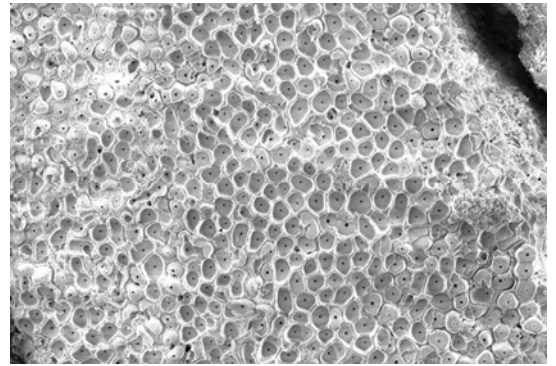
100% Calcite

Gut Buf for Horses

65% Calcite

23% Aragonite

12% Vaterite



Gut Buf for Horses has a porous honey cone structure with outer and inner pore like structures.

Furthermore, the high bioavailability of the calcium and magnesium in *Gut Buf for Horses* improves the absorption of these essential minerals for healthy skeletal growth, development and maintenance. Calcium is also essential for proper muscle integrity and function.

Gut Buf for Horses: A Strong Ant-Acid.

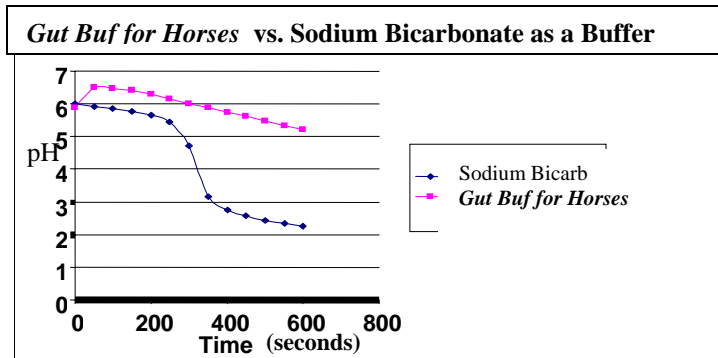
Ant-acids are used routinely in the diet of active performance horses (racing, eventing, showing or western) to help alleviate the irritation caused by stomach ulcers. Stomach ulcers usually occur in the non-glandular mucosa of the stomach, which lacks adequate protection against the harmful effects of stomach acids.

It is estimated that 25 to 50% of foals and 60 to 90% of adult horses in the USA have Equine Gastric Ulcer Syndrome. Ulcers are painful for horses and can result in aggressive or nervous behavior, unpredictable performance and are responsible for large economic losses to the equine industry.

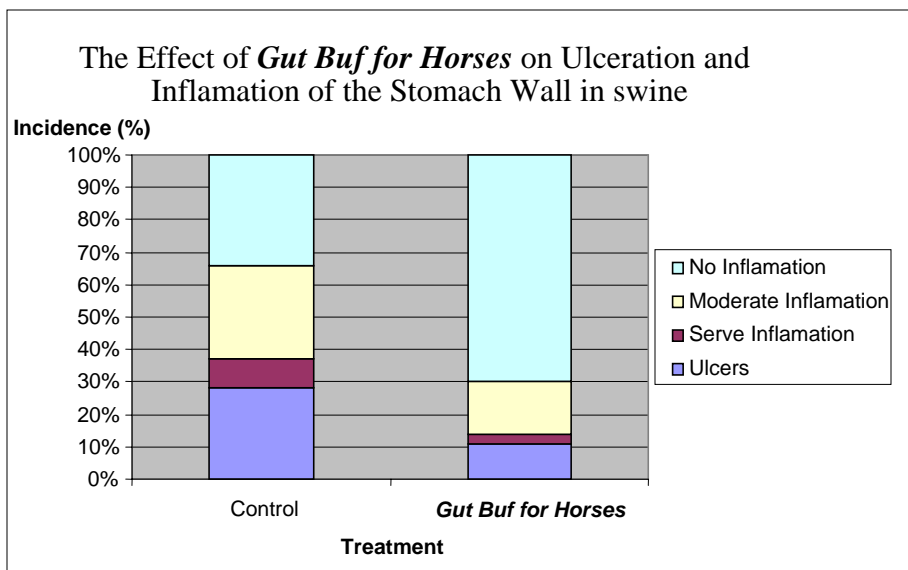
Equine Gastric Ulcer Syndrome Clinical Signs.

Clinical Signs in Adults Horses	Clinical Signs in Foals	Contributing Risk Factors
Acute colic Recurring colic Excessive recumbency Poor body condition Partial anorexia Poor appetite Poor performance/training Attitude changes Stretching often to urinate Inadequate energy Chronic diarrhea	Diarrhea Abdominal pain Restlessness Rolling Lying in dorsal recumbency Excessive salivation Bruxism Intermittent nursing Poor appetite	Stress Transportation High-grain diet Stall confinement Intermittent feeding Intense exercise Racing Illness NSAID use Management changes

The high solubility of the honey comb structure of *Gut Buf for Horses* increases the exposure of the buffer to the digestive juices of the stomach and accounts for the improved buffering capacity.



Gut Buf for Horses sustains and maintains a higher pH over a prolonged period, resulting in as much as twice the level of acid being buffered, compared to the traditional buffer sodium bicarbonate.



Use Rate:
Working or Mature Horses:
 Feed 4 to 6 ounces of *Gut Buf for Horses* per animal per day.
Lactating Mares:
 Feed 4 to 5 ounces of *Gut Buf for Horses* per head per day.
Young Stock:
 Feed 2 to 4 ounces of *Gut Buf for Horses* per head per day.
NOTE: Divide the above feeding recommendations equally among the daily feedings.