

Galozymes® unique formula with B0399, differs considerably from standard bacterial based probiotic products using common yeast like *Saccaromyces Cerevisiae*. *Kluyveromyces Marxianus* B0399's external cell wall, which has a high chitin content, allows for high replication and vitality of CFU's even in the presence of extremely low pH values (3 - 3.5) as the yeast is highly resistant to the action of gastric juices, and in turn works to augment the pH levels to a more favorable level for the horse's digestive system. The metabolic activity of KB0399 has been shown to be more effective than that of bacterial based probiotics, as its unique active yeast:

- Is capable of fully penetrating the gastric barrier. Effectively reaching the animal's intestinal tract and continuing metabolic functions through to the hind gut;
- Are marked by high CFU replication and implanting characteristics allowing for the growth and development of positive digestive bacteria, protozoa's and microfloras;
- KB0399 also increases the production of lactic acid in the digestive tract at a higher rate than standard brewers yeasts and bacterial probiotic cultures. (producing two lactic acid molecules in the digestive tract for every glucose molecule)
- It has also been tested to have, proven immunity to 17 commonly used antibiotics. This may prove, to be an asset in helping mitigate some discomfort or adverse effects caused by antibiotic therapies.

WHEN TO USE GALOZYME® EQUINE SPORT

Galozyme® Equine Sport is recommended for continuous use particularly during stressful events, travel, feed change and when the horse is maintaining an active life style. Noted Stressful events that can cause digestive upsets:

COLIC Gastrointestinal upset (colic) can be caused by numerous things, from dietary upsets to a disturbance of beneficial bacterial support, or proper modulation in the intestines. Although many colic cases are mild, some require surgery if the horse is to survive. Galozyme® Equine Sport may help to limit these occurrences, and/or may help avoid them.

SHOWING AND TRAVELING While traveling and showing, horses are exposed to many adverse conditions such as temperature change, feed and pasture changes, and general traveling stress. This can lead to upset acidity levels, which can cause poor feed intake, mental stress and dehydration. The effects can be noticed in attitude, and potentially in short term weight loss. Galozyme® Equine Sport works to help keep horses mentally and physically sound, and may provide necessary relief to mental state and positive absorption of the nutrients in feed, while providing sourceable maintained overall strength.

DURING PERIODS OF ENVIRONMENTAL STRESS Extreme weather change (heat and cold) can put stress on the animal. Use Galozyme™ Equine Sport or Equine Daily on a day to day basis to help alleviate extreme metabolic change.

AFTER AND DURING ANTIBIOTIC THERAPY OR DEWORMING Antibiotics and dewormers can destroy beneficial micro-organisms and beneficial bacteria that are normally found in an animal's digestive tract. Galozyme® Equine Sport is resistant to the most common antibiotic therapies and can be used at this time, to help limit the side effects of the therapies, and digestive upset during times of illness or medicated therapy.

AT WEANING AND DIET CHANGE

At weaning, a young horse's digestive system is not fully developed to efficiently transition over from mother's milk to plant-based rations. The transition can result in poor appetite and weight loss. In addition, these horses are subject to further stresses such as vaccination and mental stress. Since horse's have a unique and delicate digestive system, subjecting them to the mentioned factors can cause irregular function of the stomach and intestinal tract. This can cause the stomach pH to decrease, allowing potentially harmful pathogens to grow. Galozyme® Equine Sport when used in a nursing mare, will allow the beneficial properties to be passed to the foal through the milk, helping to strengthen the foal's digestive system prior to weaning.

INCIDENCES OF FOAL HEAT DIARRHEA Neonatal foals often experience intestinal upset, most often during the sixth and seventh day of age. Incidents of foal heat diarrhea can become lengthy and severe, resulting in poor growth and dehydration, or severe cases death. Adding Galozyme® to the foal's diet, may have positive effects on limiting the severity of potential digestive upsets.

ADDITIONAL BENEFITS *Kluyveromyces Marxianus* *Vander Walt* B0399 (the active ingredient in Galozyme®) has been proven to microbind toxins in the horse's body. While the organism will work to remove toxic components from the kidneys, colon, liver and intestines, (detoxifying effect) the removal of toxins from the epidermal layer of the horse's skin, is the most noticeable. Once the epidermal layer of the skin has been purified, old coats are shed, and new hair follicles are able to grow out of a nutrient rich environment. This leads to a noticeable aesthetic or visual difference in the quality of coat. This is not a superficial oil gloss that is leached through the skin from oil based products but instead a natural occurring healthy, constantly regenerating follicle of hair. Customers continually comment on how healthy and glossy their horse's coat has become after using Galozyme®.