FOR HORSES

PROVABLE-EQ

Probiotics Naturally Reestablish and Maintain Intestinal Health

Contains A Source of Live (Viable) Naturally Occurring Microorganisms

Why recommended PROVABLE-EQ to your clients?

References:


Caution: While administration of PROVABLE-EQ or any product containing live yeast species plus prebiotics to help re-establish and maintain healthy intestinal microflora. Saccharomyces yeast species (yeast or bacteria) should be avoided in severely immunocompromised horses. Horses are hindgut fermenters with most of their digestion occurring in the cecum. Therefore, Proviable-EQ incorporates yeast, which thrive in this environment, to support intestinal health and digestion.

Weight of Horse

Maintenance

Under 600 lbs
1/2 scoop

600-1200 lbs
1 scoop

Over 1200 lbs
1 1/2 scoops

Powder contains 1.0 billion CFUs per scoop

Powder formulation contains ground grass to increase palatability

Administration:

Can be used continuously or as needed. Administration can be increased at any time for maximum effect.

One level scoop = 10 grams
A probiotic digestive aid containing Saccharomyces yeast species plus prebiotics to encourage normal gastrointestinal function and health. Can be used continuously or as needed to maintain hindgut health during times of stress or digestive upset.

Two formulations to support intestinal health:

**PROVIA**-**BLE-**EQ **PASTE**
- Features the benefit of containing both Saccharomyces boulardii* and Saccharomyces cerevisiae
  - Total of 0.4 billion CFU’s per gram†
  - One 30 mL tube provides 12 billion CFU’s
- Tasty, easy-to-administer paste to be used as needed
- Helps to reestablish healthy intestinal microflora after imbalances have occurred due to:
  - Enterocolitis
    - A placebo-controlled study showed severity and duration significantly less in horses administered Saccharomyces boulardii. Researchers suggested it may be more effective to administer anti-diarrheal medication plus Saccharomyces boulardii than anti-diarrheal medication alone.1
  - Stress, which may occur with:
    - Travel
    - Competition
    - Racing
    - Change in environment
  - Sudden change in diet, e.g., high starch diet or change in forage quality
  - Past use or continuing short-term use of antibiotics
- Research in other species suggests also may be of benefit after intestinal surgery to support intestinal function2
- Additionally can be administered to protect against microfloral imbalances

**PROVIA**-**BLE-**EQ **POWDER**
- Contains Saccharomyces cerevisiae
  - 0.1 billion CFU’s per gram
- Convenient tasty formulation administered daily to help support a healthy gut flora and help maintain appetite
- In addition helps protect against imbalances of a more long-term nature such as when:
  - Starting a new diet, e.g., a high starch diet or a change in forage quality
  - Beginning longer term administration of antibiotics

Both formulations of Proviable-EQ:
- Contain prebiotics - selectively fermented carbohydrates that help stimulate growth or activity of intestinal microflora.
- Are synbiotics - a combination of probiotics and prebiotics, which help aid in digestibility and stabilize a healthy microfloral population under times of dietary stress.

**Why yeast?**

**Saccharomyces boulardii**
- Research in other species has shown that it inhibits Clostridium difficile toxins A and B and may do so via:
  - Secretion of a protease that degrades and reduces binding of toxins A and B1,4
  - Modulation of host response to toxin A5,6
- Research in poultry has demonstrated that it also reduces Salmonella colonization.7,8 One mechanism that may be responsible for this is binding of the Salmonella to the yeast cell wall with the yeast and bacteria complex then excreted.8,9

**Saccharomyces cerevisiae**
- Research has shown Saccharomyces cerevisiae survive transit through the gastrointestinal tract of horses with peak concentrations found between 3-12 hours in the colon and at 24 hours after ingestion in the feces.10
- Helps maintain cecum and colon pH11,12 for optimal microfloral balance
- Shown in research to stimulate activity of fiber-digesting bacteria in the hindgut, increasing fiber digestion13
- Leads to improved digestibility of nutrients (more available energy), especially important in mares, foals, and horses involved in competition14-17

*Saccharomyces boulardii is a subtype of Saccharomyces cerevisiae.
†Its full taxonomic name is Saccharomyces cerevisiae var. boulardii.
*CFU - Colony forming unit
†One gram equals approximately one mL.