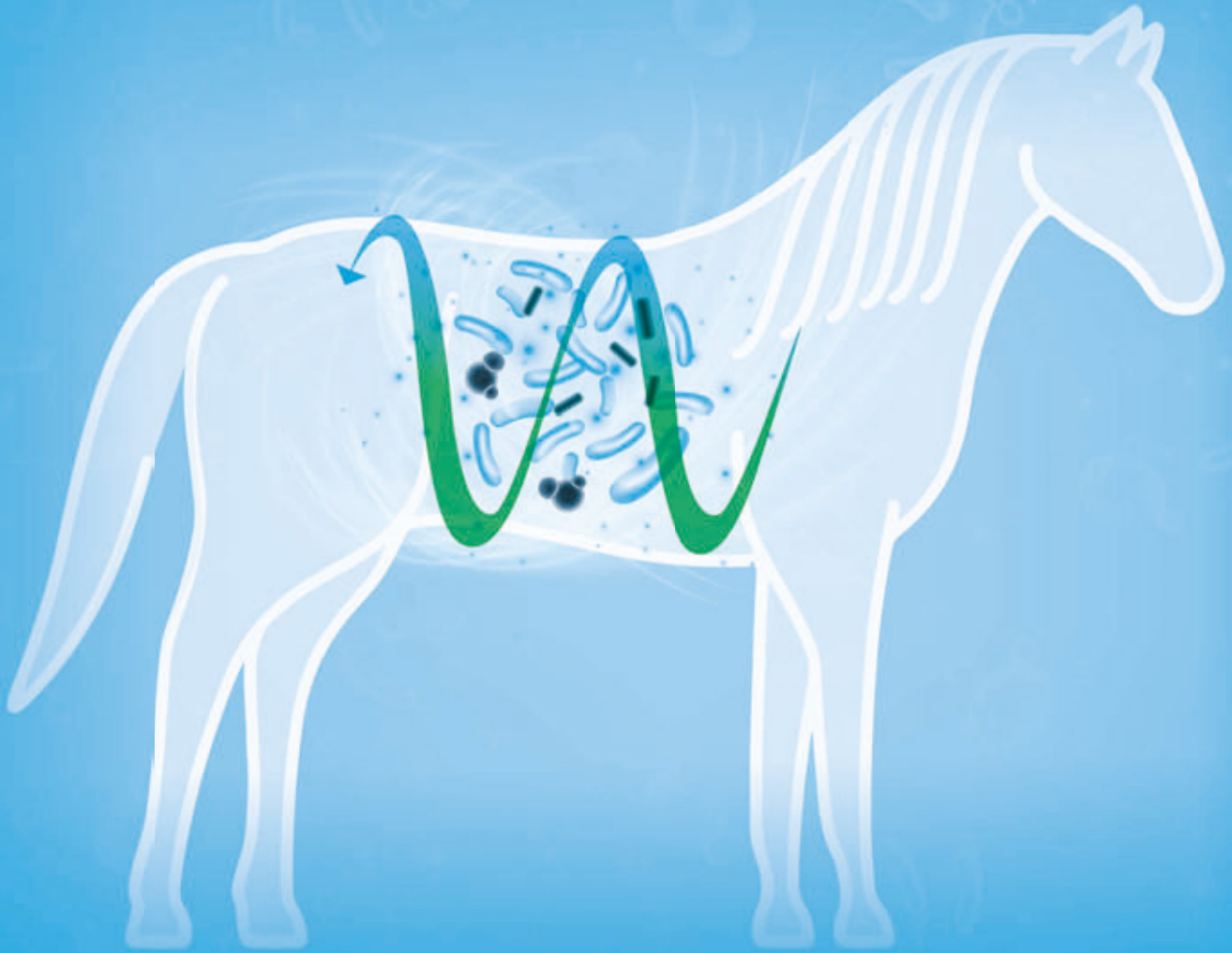




LALPROBIOME

FROM LALLEMAND ANIMAL NUTRITION



THE USE OF PREBIOTICS, PROBIOTICS AND POSTBIOTICS IN EQUINE NUTRITION

The horse's digestive system has a variety of microorganisms called "microbiota", which are essential for efficient digestion and use of nutrients. The mix of microorganisms in a horse's gut changes with diet (especially starch, fiber and fat intake), age, breed, stress and physical activity.


The microbiota is integral to many important functions, including feed digestibility, nutrient extraction, inflammation control, maintaining immune system balance and energy supply. A healthy gut microbiota is a key component in overall horse health status. The large and complex community of microorganisms within the gut can be easily disturbed by stress factors, which may lead to digestive issues such as ulcers, diarrhea, colic and more.

Optimal nutritional management can help support equine microbiota health and promote optimal microbiota balance. Some specific ingredients can be included within a nutritional program to promote microbiota balance: prebiotic, probiotic and postbiotic ingredients.



PREBIOTICS


are dietary fibers which promote the growth and activity of beneficial microorganisms in the digestive system. Prebiotics serve as food for the good bacteria within the gut, aiding with nutrient absorption and overall gut health.

 Common prebiotics for horses include certain fibers found in plants like chicory root, soy hulls and beet pulp.



PROBIOTICS


are live beneficial microorganisms, such as bacteria or yeasts, which are introduced into the horse's digestive system to improve or restore the balance of the gut microbiota. They will limit oxygen, to maintain a beneficial anaerobic environment within the gut; support the breakdown of feed, such as forage, into nutrients; and help ensure optimal absorption of these nutrients.

 Common probiotics for horses include species of yeast such as *Saccharomyces* or bacteria such as *Lactobacillus* or *Enterococcus*.



POSTBIOTICS

can be a purified specific part of an inactive microorganism, the whole inactive microorganism, metabolites or a mixture of several of these. Postbiotics have a wide range of effects; they can reduce stomach acidity as well as confer immunity enhancing benefits.

 Common postbiotics for horses are mannan-oligosaccharides, beta-glucans and *Lactobacillus*-fermented raw materials.

PROBIOTIC **Levucell SC**

DIGESTIVE CARE & MICROBIOTA BALANCE

LEVUCCELL® SC, *Saccharomyces cerevisiae* strain CNCM I-1077, is an active live yeast probiotic selected to help optimize herbivorous animals' digestive function. Supplementing horses with LEVUCCELL® SC helps maintain proper digestion pH and microbiota balance which leads to increased feed and fiber utilization.



WHY IS IT UNIQUE ?

LEVUCCELL® SC probiotic strain of yeast has been selected from many other strains for its unique benefits assessed during trials.

Ask your Lallemand representative its proven benefit!