

# CLOSTAT®

CLOSTAT® contains a proprietary, patented strain of *Bacillus subtilis*, PB6. PB6 is a probiotic that helps improve intestinal health and integrity in an array of animals — including horses. It does this by maintaining a healthy balance of microflora in the gut and by helping develop a natural defense against harmful bacterial pathogens. These factors contribute to the overall wellbeing and performance of the horse.



## THE SCIENCE BEHIND CLOSTAT

The PB6 in CLOSTAT is a unique, naturally occurring microorganism. Kemin has more than 200 internal research and development (R&D) documents referencing PB6 trial work. This work indicates that PB6 is more robust than other strains, as it is proven to survive in the horse gastrointestinal (GI) tract and maintain efficacy when pelleted.<sup>1</sup> In addition, PB6 exhibits a strong inhibition against *Clostridium* isolates, as well as a variety of other horse-specific pathogenic bacteria.<sup>2</sup>

## WHY FEED CLOSTAT?

The lining of the gut not only absorbs nutrients, it also provides a barrier against pathogens, parasites and toxins. PB6 secretes an active substance which helps maintain the balance of microflora in the gut. When balanced, good bacteria help keep pathogenic bacteria under control.<sup>3</sup> When unbalanced, pathogens can multiply and damage the gut lining, resulting in leaky gut syndrome. Harmful substances can then cross the barrier and infect the horse. By supporting the microbial balance in the intestinal tract of your horse, **CLOSTAT can help improve gut health, which can lead to improved athletic performance and general wellbeing.**

## THE CLOSTAT CONFIDENCE

**Proven efficacy** against horse-specific pathogens, including a variety of *Clostridium* species

**Demonstrated safety** in foals and adults

**Stable when blended** with other feed ingredients

**Maintains efficacy** in pelleted feeds

**Survives in the horse GI tract**

**More than 200 internal R&D documents** referencing PB6 research

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**GUT HEALTH**  
SOLUTIONS



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1. Comparison of CLOSTAT and Competitor Products by Antimicrobial Activities, Thermal Stability and Gastrointestinal Tolerance, TD-14-00114.  
2. Burke, M. L., & Moore, S. A. (2017). *Bacillus subtilis* Strain PB6 Demonstrates Growth Inhibition Toward Equine-Specific Bacterial Pathogens. *Journal of Equine Veterinary Science*, 58, 84-88. doi:10.1016/j.jevs.2017.08.016.  
3. Durairaj, V., & Clark, D. (n.d.). Necrotic Enteritis. Retrieved September 4, 2018, from <http://www.thepoultrysite.com/articles/846/necrotic-enteritis/>.