



BioSynergy

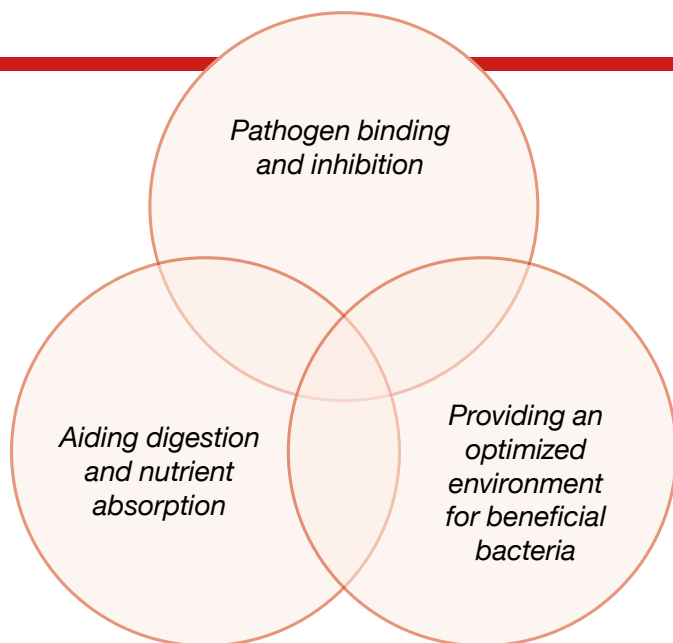
DIGESTIVE SUPPORT

Maintaining a healthy gut through a healthy microbiome helps maximize production through efficient nutrient digestion and absorption. Recent nutritional research has shown to maintain a healthy microbiome the mixture of bacterial and other single cell organisms is needed to help keep pathogenic bacteria in check and allow for absorption of nutrients. BioSynergy was designed with stabilizing the gut microbiome in mind. A multi-faceted approach has been used to help support gut health against a wide set of conditions and threats. BioSynergy contains multiple bacterial strains, live yeast and functional yeast cell wall components (Beta (β) Glucans).

How does BioSynergy help maintain a healthy gut?

Bacillus bacteria

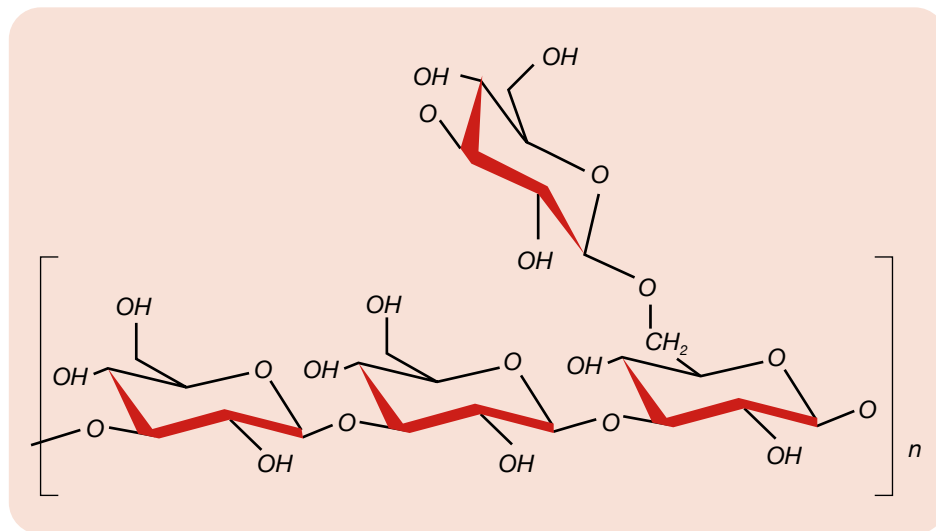
BioSynergy contains 5 different specific strains of *Bacillus* species that have demonstrated the ability to inhibit specific pathogens, including the Gram (-) bacteria *E. coli* and *Salmonella* strains, and Gram (+) *Clostridium perfringens*. These same species also support the growth of beneficial *Lactobacillus* species. Additionally, these *Bacillus* strains produce “exo-enzymes” that can assist with digestion. *Bacillus* species have the added benefit of being oxygen and heat stable, helping to insure the delivery of live bacteria.





Live yeast

Live yeast is included as it not only improves rumen fermentation through oxygen scavenging, but also can improve villi length and health allowing for more efficient absorption of nutrients. Live yeast have also been shown to increase superoxide dismutase enzyme (SOD), the first shield against oxidation.



Beta Glucans

Beta (β) Glucans are branched chain carbohydrates with multiple implications for gut health. β -Glucans have been reported to provide anticancer, anti-inflammatory and immune-modulating effects. β -Glucans are a strong immune stimulant and an antagonist against benign and malignant tumors.

When should I use BioSynergy?

BioSynergy should be used when conditions change or diseases have compromised an animal's ability to function, and their gut to function, properly. This can be caused by a multitude of stress conditions.

1. When cattle will be or have been shipped.
2. Newly co-mingled animals.
3. Changes in feed ration.
4. Changes in weather.
5. Continuous heat, cold or wet conditions.
6. Recovering from respiratory or digestive disease.
7. Re-establishing gut health after antibiotic treatments.



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