

Colonorm BCS (2 billion spores of *Bacillus clausii*)

Bacillus clausii is a rod-shaped, Gram-positive, motile and spore forming bacterium that lives in the soil. It is classified as probiotic microorganism that maintains a symbiotic relationship with the host organism. It is currently being studied in respiratory infections and some gastrointestinal disorders. *Bacillus clausii*, has been found to produce antimicrobial substances that are active against gram positive bacteria including *Staphylococcus aureus*, *Enterococcus faecium*, and *Clostridium difficile*.

The spores of *B. clausii* and other related Bacilli are used as probiotics to improve the intestinal microbial balance during periods of antibiotic usage, modify the immune system function of the GI tract, and act as anti-microbial agents themselves. Probiotic-containing treatments are available for human nutrition, animal feed supplements, and also for aquaculture.

Bacillus Clausii (2 Billion Spores) Suspension in mini bottle

Colonorm BCS is notably used in the treatment of diarrhea and prevention of infectious gastrointestinal diseases. Though not completely understood, the enzyme secretions of *B. clausii* during sporulation are believed to lead to these positive effect on the GI tract; during sporulation, strains from Colonorm BCS were found to release antimicrobial compounds and modulate immune activity by increasing production of secretory immunoglobulin A. The spore resistance to antibiotics makes it especially useful for use in conjunction with antibiotic treatment for other pathogens. With further knowledge of the function of *B. clausii* activity as Colonorm BCS, the usage of this microbe in medicine can be optimized and implemented in more effective ways.