SporeBiotic



SporeBiotic is a 100% spore-based, broad-spectrum probiotic clinically shown to maintain healthy gut barrier function.

Not all probiotics are created equal. For a probiotic to perform its necessary function, it must survive the stomach's harsh environment and arrive to the intestines alive.

Over 95% of probiotic products do not meet this criteria.

Bacillus spore probiotics are different.

Because of their endospore coat, these resilient probiotic strains survive the low pH of the gastric barrier, allowing the entire dose of ingested bacteria to reach the intestines intact. This exceptional degree of stability and 99% spore state means that Nordic Health® SporeBiotic does not need the much higher probiotic overages that other probiotic products need.

In other words, Sporebiotic does not need to account for die-off at every step of the manufacturing and delivery processes.

SporeBiotic

Bacillus spores are a natural part of the human environment and have been consumed by humans for thousands of years as part of the standard diet. They were abundant in the foods consumed by human ancestors because they used the soil as a vector to travel from host to host. This led to a symbiotic relationship between these critical, supportive organisms and humans. However, modern food systems have sterilized food processing, which virtually eliminates exposure to these necessary organisms. Human health has been impacted dramatically by the loss of exposure to these organisms, as gastrointestinal health declines, nutrient absorption decreases, and gastrointestinal barriers are damaged. More and more researchers now understand that the gut microbiome is central to the entire body's health maintenance. Without these spores present in daily life, functional immune system support is compromised.

Furthermore, these specific bacillus strains have been clinically studied in humans. Research shows that these strains:

- Significantly reduce TNF-a and IL-6 and is safe and well-tolerated in humans[1]
- Bacillus spores successfully germinate into living cells and elicit an immune response in GALT [2]
- Support intestinal epithelial barrier function and immune function[3]
- Reduce antibiotic associated diarrhea[4]
- Support the gut-liver axis[5]

Strain Functions

Bacillus coagulans SC208:

- Strongly studied with long history of use in IBS, Crohn's Disease & ulcerative colitis
- Produces L+ optical form of lactic acid to support gut acidity
- Potent immune stimulation

Bacillus clausii SC109

- Most widely used probiotic drug in the world
- Potent immune stimulator
- Antibiotic resistant for use during antibiotic treatment

Bacillus licheniformis SL307:

- Produces antibiotic bacitracin to keep pathogens under control
- Produces protease and improves protein digestion
- Produces whole spectrum of B vitamins and Folic acid

Bacillus Subtilis HU58™

- Produces over 12 affective antibiotics
- Widely used, safe and highly effective
- Produces nattokinase and vitamin K2
- Supports immune system development within the Gut Associated Lymphoid Tissue (GALT)



References

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2. Huang JM, et al. Immunostimulatory activity of Bacillus spores. FEMS Immunology and Medical Microbiology. 2008; 53(2):195-203.
3. Marzorati M, Abbeele PVD, Bubeck SS, Bayne T, Krishnan K, Young A, Mehta D, DeSouza A. Bacillus subtilis HU58 and Bacillus coagulans SC208 Probiotics Reduced the Effects of Antibiotic-Induced Gut Microbiome Dysbiosis in An M-SHIME® Model. Microorganisms. 2020 Jul 11;8(7):1028. doi: 10.3390/microorganisms8071028. PMID: 32664604; PMCID: PMC7409217.
4. Mehta, et al. A Study of Probiotic Bacillus subtilis HU58 for the Management of Antibiotic-Associated Diarrhoea in Adults.The Indian Practitioner. 2020; 73(4): 22-28.
5. Yossef, et al. An Oral Formulation of the Probiotic, Bacillus subtilis HU58, Was Safe and Well Tolerated in a Pilot Study of Patients with Hepatic Encephalopathy. Evidence-Based Complementary and Alternative Medicine. 2020; 2020:1463108