

deerland.com

Deerland[®] presents:

DE111[®]

Bacillus subtilis



Unique probiotic strain

Bacillus subtilis DE111® is a proprietary spore-forming probiotic clinically proven to positively impact multiple aspects of human health. As a soil-based organism DE111® is naturally found in soil, but also in fermented food and the human gut; in the gastrointestinal tract it plays a major role in creating a hospitable environment for good bacteria to thrive.

Clinical evidence

More than 30 studies confirm the safety and efficacy of *Bacillus subtilis* DE111®. The strain has proven to:

- Support digestive and immune health in adults and children
- Improve body composition and performance in athletes
- Support cardiovascular and heart health
- Produce enzymes to aid digestion

Supporting all life stages*

Children *It is important to establish a healthy digestive system early in life, especially when often exposed to new pathogens. Published clinical trials show that DE111® supports children's immune health.*

Adults *In an often-stressful modern lifestyle, adults might suffer from exhaustion and gut discomfort. Taking DE111® has proven to support a healthy gut function and normal bowel movements. It also shows to support heart health, improve body composition and exercise recovery in athletes.*

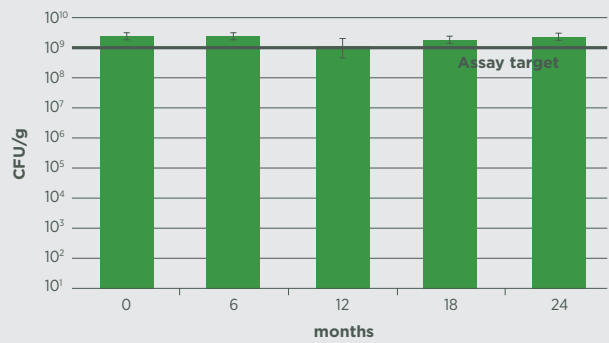
Elders *With age the gut microbe composition changes significantly to a less diverse microbiota. The increased use of medication and changes in diet contribute to weakening the gut. DE111® has shown to stimulate the normal microbiota, increase the number of bifidobacteria, as well as support regularity and reduce gastrointestinal discomfort.*

*Clinical trials performed with 1 or 5 billion CFUs

Stability is key

DE111® is a highly stable strain, it forms spores to protect itself from the harsh conditions of the stomach until it enters an environment ripe for germination, such as the small intestine.

DE111® shelf-life stability (25°C, 40% RH)



Customization for your brand

DE111® is a very versatile and robust probiotic. Choose your preferred product formulation, dosage format and flavor to meet diverse consumer demands. Deerland offers ready to market products and concepts, as well as customized solutions. Our specialists are ready to develop a delicious and effective product formulation fitting your special requirements and help you market the remarkable health benefits of DE111. **Contact us for more information.**



Digestive health



Immune health



Heart health



Sports

STICK PACK FORMULATIONS

FASTMELT

- Convenient – also on the go!
- Pour contents of stick directly onto the tongue and enjoy
- Daily serving of probiotics in delicious flavors
- Enhance compliance of daily intake
- Multiple flavors available: Mint, frosted orange, coffee and more



Mix with water

- Mix the stick content with a cup of water (230ml) and enjoy a refreshing beverage
- Daily serving of probiotics in delicious drink
- Multiple flavors available: Raspberry pomegranate, peach mango, tropical fruit and more



GUMMIES

- Especially suitable for children
 - Easy and attractive dosage format
 - Daily serving of probiotics in delicious gummies
- DE111® is heat resistant and stable, perfect fit for probiotic gummy production



Picture for illustration and suggested dosage format

CAPSULES

- Ready to market vegetable capsules with 1 billion or 5 billion CFUs
- Ready to market formulations combining DE111® and specially selected ingredients
- Custom formulations to your requirements
- Easy to swallow
- Widely accepted dosage format



Additional resources

- Bacillus Subtilis DE111® whitepaper
- The science behind DE111®
- Spore stability
- Documented for safety / QPS
- Documented for safety / GRASS



About Deerland Probiotics & Enzymes

Deerland Probiotics & Enzymes® offer expert know-how in probiotics and enzymes globally. The company specializes in developing science-backed solutions that benefit microbiome and systemic health, based on pre- and probiotic and enzyme technologies. Clinical validation, stability testing and unprecedented quality are the cornerstones of a unique line of solutions including DE111®, PreforPro®, ProHydrolase®, Solarplast®, Glutalytic® and Bifolac® probiotic strains. Decades of experience in probiotics is the foundation of the YOURBRAND portfolio of turnkey probiotic products for white label. Innovation in application and dosing technologies is applied as we collaborate with customers worldwide to develop unique solutions for the dietary supplement, food and beverage, sports nutrition and companion animal markets. Deerland Probiotics & Enzymes serve its customers from several locations worldwide and manufacture all products in North America and Denmark.



Follow us at:

 [Deerland.com](https://www.deerland.com)

 [linkedin.com/company/deerland](https://www.linkedin.com/company/deerland)