



HU58TM

Bacillus subtilis



CAMBRIAN

Provided by Cambrian Solutions Inc.
627 Lyons Lane, Suite 300, Oakville, ON L6J 5Z7
T: 905-338-3172 F: 905-338-0648
www.cambrian.com

Ideal choice for Probiotic Spores

- Very high sporulation efficiency
- Stimulation of TLR mediated expression of NF-kB
- Stimulation of innate immunity
- Produces Surfactin which enhances the gut adhesion
- Forms biofilm which enhance gut Colonization
- Originally isolated from the Human G.I. Tract
- Good safety profile
- Grows and sporulates under anaerobic conditions
- Helps in the stabilization of the intestinal microflora
- Many health benefits
- Powder form: *Bacillus subtilis* HU58 available in the concentration of 100×10^9 spores/gram

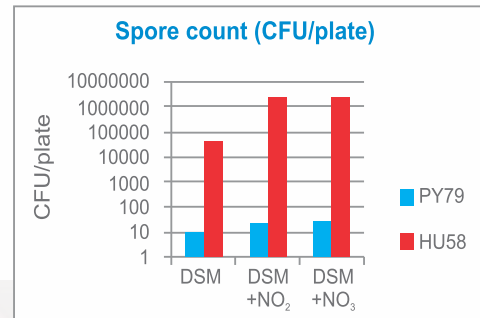
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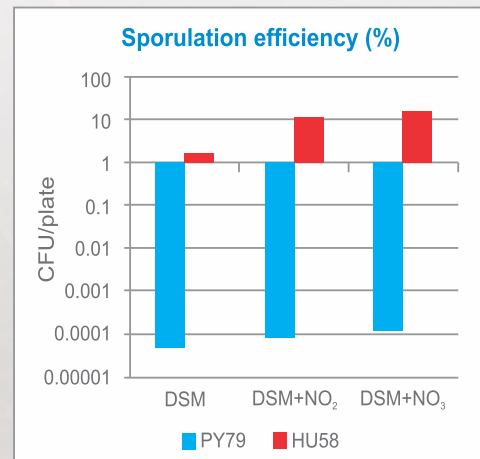
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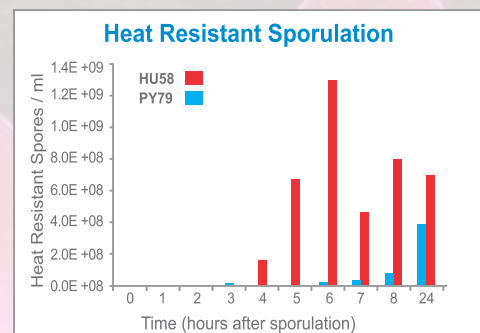
6/10, Jogani Industrial Complex, V. N. Purav Marg,
Chunabhatti, Mumbai - 400 022, (India)
Tel. : (91-22) 2405 5607-09 Fax : (91-22) 2405 5952.
E-mail : viridis@vsnl.com
www.menaquingold.com



Spore count after 3 days of incubation at 30 °C under anaerobic conditions.



Sporulation efficacy after 3 days of incubation at 30°C under anaerobic conditions.



Development of heat-resistant spores during sporulation in PY79 and HU58. Cells were induced to form spores by the exhaustion method in mice, and the number of heat-resistant spores was determined (80°C, 20 min) at time points following the initiation of spore formation (T₀). HU58 sporulation as early as 4 hours.