

Bacillus cereus, Strain NRRL B-569

Catalog No. NR-2492

(Derived from ATCC® 10876™)

Product Description: *Bacillus cereus* (*B. cereus*) is a Gram-positive, spore-forming, facultative aerobe. This organism is a ubiquitous, opportunistic pathogen that can cause food poisoning in infected individuals.

Lot¹: 4874328

Manufacturing Date: 08NOV2005

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Sporulation Anaerobic growth Motility β-hemolysis Capsule (India ink staining) Tenacious Analytical profile index (API® 50 CHB) Biochemical tests Nitrate Glycerol Trehalose Arginine dihydrolase Glycogen Nutrient agar with 0.7% sodium bicarbonate FAME analysis	Consistent with ATCC® 10876™ Report results Round, granular Positive Positive Motile Hemolytic Negative Report results Consistent with <i>B. cereus</i> group Positive Positive Positive Report results Report results No growth Consistent with <i>B. cereus</i>	Consistent with ATCC® 10876™ Gram-positive rod Round, granular Positive Positive Motile Hemolytic Negative Positive Consistent with <i>B. cereus</i> group ^{3,4} Positive Positive Positive Negative Positive No growth Consistent with <i>B. cereus</i> ⁵
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 755 bp)	Consistent with <i>B. cereus</i> group	Consistent with <i>B. cereus</i> group ³
Viability (post-freeze)²	Growth	Growth

¹NR-2492 was produced by propagation of seed stock (BEI Resources NRS-2492) in Nutrient Broth for 24 hours at 30°C and aerobic atmosphere.

NRS-2492 was produced by propagation of ATCC® 10876™ (Lot 3688110) in Nutrient Broth for 24 hours at 30°C and aerobic atmosphere.

²24 hours at 30°C and aerobic atmosphere on Nutrient Agar.

³*B. cereus* group: *B. cereus*, *B. thuringiensis*, *B. mycooides*, and *B. anthracis*.

⁴For the *B. cereus* group, API® 50 CHB may not be sufficiently discriminative [Valero, M., et al. "Characterization of *Bacillus cereus* Isolates from Fresh Vegetables and Refrigerated Minimally Processed Foods by Biochemical and Physiological Tests." *Food Microbiology* 19 (2002): 491-499].

⁵Also consistent with *Bacillus thuringiensis*.

Date: 02 OCT 2007

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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