

Bacillus cereus, Strain NRS 201

Catalog No. NR-2488

(Derived from ATCC® 7064™)

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: 4874324

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 Salicin Glycogen Nutrient agar with 0.7% sodium bicarbonate FAME analysis	Consistent with ATCC® 7064™ Gram-positive rod Report results Positive Positive Motile Hemolytic Negative Report results Consistent with <i>B. cereus</i> group Positive Positive Positive Report results Report results Report results No growth Consistent with <i>B. cereus</i>	Consistent with ATCC® 7064™ Gram-positive rod Round, granular Positive Positive Motile Hemolytic Negative Negative Consistent with <i>B. cereus</i> group ^{3,4} Positive Positive Positive Negative Positive Positive No growth Consistent with <i>B. cereus</i> ⁵
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 725 bp)	Consistent with <i>B. cereus</i> group	Consistent with <i>B. cereus</i> group ³
Viability (post-freeze)²	Growth	Growth

¹NR-2488 was produced by propagation of seed stock (BEI Resources NRS-2488) in Tryptic Soy Broth (TSB) for 24 hours 25°C and aerobic atmosphere. NRS-2488 was produced by propagation of ATCC® 7064™ (Lot 3195208) in TSB for 24 hours at 25°C and aerobic atmosphere.

²25 hours at 25°C and aerobic atmosphere on Tryptic Soy Agar.

³*B. cereus* group: *B. cereus*, *B. thuringiensis*, *B. mycoides*, 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* species.

Date: 02 OCT 2007

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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