

## *Bacillus cereus*, Strain E33L

**Catalog No. NR-12264**

**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.

**Lot<sup>1</sup>: 58493438**

**Manufacturing Date: 30JAN2009**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup> Tryptic Soy Agar  Sporulation Motility β-hemolysis Capsule (India ink staining) Tenacious Analytical profile index (API <sup>®</sup> 50 CHB/API <sup>®</sup> 20E) Nitrate reduction	Gram-positive rod  Report results  Positive Motile Hemolytic Negative Report results Consistent with <i>B. cereus</i> Positive	Gram-positive rod  Circular, low convex, slightly undulate, cream, ground glass Positive Motile Hemolytic Negative Negative Consistent with <i>B. cereus</i> Positive
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1420 bp)	Identical to GenBank: CP000001 Consistent with <i>B. cereus</i> group	Identical to GenBank: CP000001 Consistent with <i>B. cereus</i> group <sup>3</sup>
<b>PCR Assay of Extracted DNA</b> 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>NR-12264 was produced by inoculation of Tryptic Soy Broth with the deposited material and grown 24 hours at 37°C. Broth inoculum was added to Kolles which were grown 24 hours at 37°C to produce this lot.

<sup>2</sup>24 hours at 37°C and aerobic atmosphere.

<sup>3</sup>*Bacillus cereus* group species (*B. cereus*, *B. thuringiensis*, *B. mycooides*, and *B. anthracis*) cannot be classified based on 16S sequence (Spencer, R. C. "Bacillus anthracis." *J. Clin. Pathol.* 56 (2003): 182-187. PubMed: 12610093).

**Date:** 07 MAY 2009

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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