

Genomic DNA from *Bacillus cereus*, Strain G9241

Catalog No. NR-10050

Product Description: Genomic DNA was isolated from a preparation of *Bacillus cereus* (*B. cereus*), strain G9241.

Lot¹: 58177741

Manufacturing Date: 02JUN2008

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1420 bp)	Identical to BEI Resources NR-9564 Consistent with <i>B. cereus</i> group	Identical to BEI Resources NR-9564 Consistent with <i>B. cereus</i> group ²
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Content by PicoGreen[®] Measurement	4 to 6 µg in 25 to 100 µL per vial	5.7 µg in 51 µL per vial (113 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 1.9	1.8
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar ^{3,4}	No viable bacteria detected	No viable bacteria detected

¹*B. cereus*, strain G9241 was deposited by Dr. A. Hoffmaster of the Bacterial Zoonoses Branch at the Centers for Disease Control and Prevention, Atlanta, GA. The bacterial preparation used for extraction of genomic DNA was produced by broth (Tryptic Soy Broth; BD 211768) culture of the deposited material. After incubation for 24 hours at 37°C and aerobic atmosphere, genomic DNA was extracted using proprietary technology.

²*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).

³7 days at 37°C in an aerobic atmosphere.

⁴An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative bacteria.

Date: 26 June 2008

Signature: Signature on file

Title: Technical Manager, BEI Authentication or designee

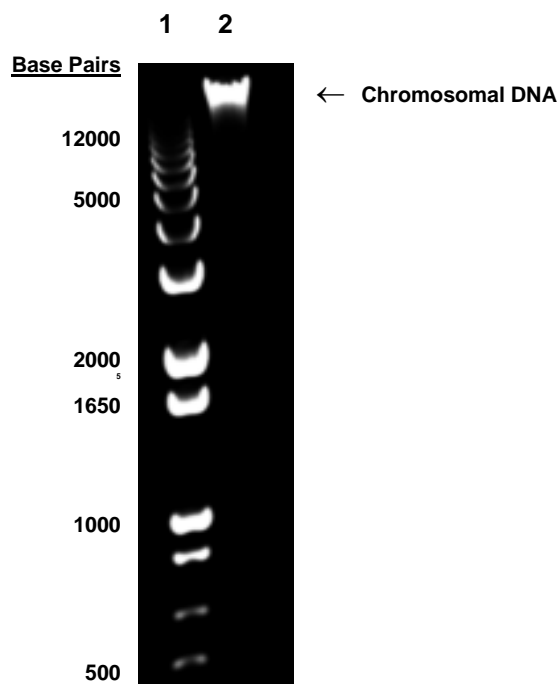
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Figure 1



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: 200 ng of NR-10050