

Genomic DNA from *Geobacillus stearothermophilus*, Strain NCA 1518 (CIP 52.81)

Catalog No. NR-2549

Product Description: Genomic DNA was isolated from a preparation of *Geobacillus stearothermophilus*, strain NCA 1518 (CIP 52.81).

Lot¹: 4874347

Manufacturing Date: AUG2006

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 740 bp)	Identical to BEI Resources NR-2497 Consistent with <i>Geobacillus stearothermophilus</i>	Identical to BEI Resources NR-2497 Consistent with <i>Geobacillus stearothermophilus</i> ²
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA
Concentration by PicoGreen[®] Measurement	1 to 3 µg per vial	1.4 µg per vial
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 1.9	1.8
Functional Activity by PCR Amplification 16S ribosomal RNA gene	> 500 bp amplicon	~ 740 bp amplicon

¹Genomic DNA was extracted using proprietary technology from a portion of BEI Resources NR-2497 (Lot 4874333).

²Also consistent with other *Geobacillus* species.

Date: 02 OCT 2007

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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