

Genomic DNA from *Geobacillus stearothermophilus*, Strain NCA 1518

Catalog No. NR-52278

For research use only. Not for use in humans.

Contributor:
ATCC®

Manufacturer:
BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Geobacillus stearothermophilus* (*G. stearothermophilus*), strain NCA 1518 (also referred to as CIP 52.81 and NRS-T17).

G. stearothermophilus, strain NCA 1518 was isolated from under-processed canned food at the National Cannery Association, Washington, D.C., USA. *G. stearothermophilus*, strain NCA 1518 was deposited to ATCC® in 1941 by Dr. C. P. Hegarty of Georgetown University Medical School (ATCC® 7953™). The complete genome of *G. stearothermophilus*, ATCC® 7953™ has been sequenced (GenBank: [JALS00000000](https://www.ncbi.nlm.nih.gov/nuccore/JALS00000000)).

NR-52278 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

Material Provided:

Each vial contains approximately 0.7 µg to 1.5 µg of genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH 8 to 8.5). The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-52278 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic DNA from *Geobacillus stearothermophilus*, Strain NCA 1518, NR-52278.”

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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