

Genomic DNA from *Clostridium difficile*, Isolate 2

Catalog No. NR-13593

For research use only. Not for human use.

Contributor and Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Clostridium difficile* (also referred to as *Peptoclostridium difficile*)¹, isolate 2, which was isolated from a human patient from the Mid-Atlantic region of the United States in 2008/2009.

NR-13593 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 genomic DNA in 10 mM Tris-HCl buffer, pH 8.0 – 8.5. Each vial of NR-13593, lot 59062332, contains 0.7 µg to 1.5 µg of genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-13593 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized. **Note: Some lots of NR-13593 are not provided in EDTA; for long-term storage of these lots, EDTA may be added to a final concentration of 0.1 mM to 1 mM.**

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic DNA from *Clostridium difficile*, Isolate 2, NR-13593."

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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

1. Yutin, N. and M. Y. Galperin. "A Genomic Update on Clostridial Phylogeny: Gram-Negative Spore-Formers and Other Misplaced Clostridia." *Environ. Microbiol.* 15 (2013): 2631-2641. PubMed: 23834245.

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