

Genomic DNA from *Clostridioides difficile*, Strain NAP08 (CDC#2007019)

Catalog No. HM-89D

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Clostridioides difficile* (*C. difficile*), strain NAP08 (CDC#2007019) (Previously referred to as *Clostridium difficile*, this genus has been reclassified).^{1,2,3}

Note: The genus designation on the vial label for lot 70050384 is incorrect. The correct genus designation is *Clostridioides difficile*.

C. difficile, strain NAP08 (CDC#2007019) ([HMP ID 220](#)), isolated from human feces, is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of *C. difficile*, strain NAP08 (CDC#2007019) was sequenced at [Baylor College of Medicine](#) (GenBank: [ADNX000000000](#)).

HM-89D has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

Note: The HMP material used for DNA extraction was taxonomically classified by the depositor. Quality control of HMP organisms is only performed to demonstrate that the material produced by BEI Resources is identical to the deposited material.

Material Provided:

Each vial contains 0.7 to 1.5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 7.4). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

HM-89D 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.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: Genomic DNA from

Clostridioides difficile, Strain NAP08 (CDC#2007019), HM-89D."

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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References:

1. [HMP 220](#) [*Clostridium difficile*, strain NAP08 (CDC#2007019)]
2. Lawson, P. A., et al. "Reclassification of *Clostridium difficile* as *Clostridioides difficile* (Hall and O'Toole 1935) Prévot 1938." *Anaerobe* 40 (2016): 95-99. PubMed: 27370902.
3. Oren, A. and G. M. Garrity "List of New Names and New Combinations Previously Effectively, but not Validly, Published." *Int. J. Syst. Evol. Microbiol.* 66 (2016): 3761-3764. PubMed: 27902176.

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