

**Genomic DNA from *Clostridioides difficile*, Isolate 6**

**Catalog No. NR-13597**

**For research use only. Not for human use.**

**Contributor and Manufacturer:**

BEI Resources

**Product Description:**

Genomic DNA was extracted from a preparation of *Clostridioides difficile* (*C. difficile*), isolate 6 which was isolated from a human patient from the Mid-Atlantic region of the United States in 2008/2009. (Previously referred to as *Clostridium difficile*, this genus has been reclassified and the genus designation on the vial label refers to the old nomenclature).<sup>1,2</sup>

NR-13597 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA.

**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 ~ 8.0). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-13597 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: Genomic DNA from *Clostridioides difficile*, Isolate 6, NR-13597.”

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

**Disclaimers:**

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**References:**

1. 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.
2. 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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