

**Genomic DNA from *Clostridium botulinum*, Strain Walls 8G (VPI 4404)**

**Catalog No. NR-2713**

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

**Contributor:**  
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**Manufacturer:**  
BEI Resources

**Product Description:**

Genomic DNA was isolated from a preparation of *Clostridium botulinum* (*C. botulinum*), Strain Walls 8G (VPI 4404, BL 4851), serotype F (proteolytic).

*C. botulinum*, strain Walls 8G was isolated from a crab obtained from the York River in Virginia, USA.<sup>1</sup> This strain is a BoNT type F (proteolytic) toxin-producing strain and can cause illness in humans. The complete genome sequence of *C. botulinum*, strain Walls 8G has been determined (GenBank: [LBFH00000000](https://www.ncbi.nlm.nih.gov/nuclseq/LBFH00000000)).

NR-2713 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

**Material Provided:**

Each vial of NR-2713 contains bacterial genomic DNA in buffer. The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-2713 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 *Clostridium botulinum*, Strain Walls 8G (VPI 4404), NR-2713."

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

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**References:**

1. Williams-Walls, N. J. "Clostridium botulinum Type F: Isolation from Crabs." *Science* 162 (1968): 375-376. PubMed: 17836660.
2. Hill, K. K., et al. "Genetic Diversity among Botulinum Neurotoxin-Producing Clostridial Strains." *J. Bacteriol.* 189 (2007): 818-832. PubMed: 17114256.

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