

**Genomic DNA from *Giardia lamblia*, Strain WB clone C6**

**Catalog No. NR-15894**

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

**Contributor:**

ATCC®

**Manufacturer:**

BEI Resources

**Product Description:**

Genomic DNA was isolated from *Giardia lamblia* (*G. lamblia*), also referred to as *G. intestinalis* and *G. duodenalis*, strain WB clone C6. *G. lamblia*, strain WB was isolated from a 29-year-old male in Afghanistan.<sup>1,2</sup> The whole genome shotgun assembly of *G. lamblia*, strain WB, clone C6 is available (GenBank: [AACB000000000](http://www.ncbi.nlm.nih.gov/GenBank/AAACB000000000)).

NR-15894 has been qualified for PCR applications by amplification of approximately 1800 base pairs of the CTP synthase gene.

**Material Provided:**

Each vial of NR-15894 contains 0.5 to 3 µg of frozen genomic DNA in TE buffer (10 mM Tris-HCL, 1 mM EDTA, pH ~ 7.4). The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-15894 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen and should be stored at -20°C or colder 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 *Giardia lamblia*, Strain WB clone C6, NR-15894."

**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).

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**References:**

1. Gillin, F. D., et al. "Isolation and Expression of the Gene for a Major Surface Protein of *Giardia lamblia*." [Proc. Natl. Acad. Sci. U. S. A.](#) 87 (1990): 4463-4467. PubMed: 2352929.
2. Meng, T. C., M. L. Hetsko and F. D. Gillin. "Antigenic Switching of TSA 417, a Trophozoite Variable Surface Protein, Following Completion of the Life Cycle of *Giardia lamblia*." [Infect. Immun.](#) 61 (1993): 5394-5397. PubMed: 8225614.

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