

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

Catalog No. NR-15894

For research use only. Not for use in humans.

Contributor:
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Manufacturer:
BEI Resources

Product Description:

Genomic DNA was extracted from *Giardia lamblia* (*G. lamblia*), strain WB clone C6 that was derived from *G. lamblia*, strain WB, which was isolated from a 29-year-old male in Afghanistan.^{1,2} The whole genome of *G. lamblia*, strain WB, clone C6 has been sequenced (GenBank: [AACB00000000](#)).

Note: *G. lamblia* is also referred to as *G. intestinalis* and *G. duodenalis*.³

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 0.2 µg to 3.5 µg of 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 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 (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

Disclaimers:

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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.
3. Adam, R. D. "Biology of *Giardia lamblia*." *Clin. Microbiol. Rev.* 14 (2001): 447-475. PubMed: 11432808.

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