

Genomic DNA from *Babesia microti*, Strain GI

Catalog No. NR-50774

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from *Babesia microti* (*B. microti*), strain GI, which was originally isolated from blood obtained from a human case of babesiosis in Nantucket, Massachusetts, USA, in 1983.^{1,2}

NR-50774 has been qualified for PCR applications by amplification of approximately 930 base pairs of the *B. microti* internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 region.

Material Provided:

Each vial of NR-50774 contains 0.2 µg to 3.5 µg of genomic DNA in 10 mM Tris-HCl, 1 mM EDTA, pH 7.5. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-50774 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 *Babesia microti*, Strain GI, NR-50774."

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.

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References:

1. Piesman, J., et al. "Development of *Babesia microti* Sporozoites in Adult *Ixodes dammini*." *Int. J. Parasitol.* 16 (1986): 381-385. PubMed: 3744675.
2. Gray, J., et al. "Transmission Studies of *Babesia microti* in *Ixodes ricinus* Ticks and Gerbils." *J. Clin. Microbiol.* 40 (2002): 1259-1263. PubMed: 11923342.

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