

**Genomic DNA from *Babesia* sp., Strain MO1**

**Catalog No. NR-50663**

**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* sp., strain MO1, which was isolated in 2003 from the blood of a wild Eastern cottontail rabbit (*Sylvilagus floridanus*) on Nantucket Island, Massachusetts, USA, and adapted to continuous *in vitro* culture in human erythrocytes.<sup>1,2</sup>

NR-50663 has been qualified for PCR applications by amplification of approximately 2100 base pairs of the 18S ribosomal RNA gene.

**Material Provided:**

Each vial of NR-50663 contains 0.2 µg to 3.5 µg of genomic DNA in buffer. Please refer to the Certificate of Analysis for the specific buffer used for each lot. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-50663 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* sp., Strain MO1, NR-50663."

**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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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**References:**

- Holman, P. J., Personal Communication.
- Holman, P. J., et al. "In Vitro Cultivation of a Zoonotic *Babesia* sp. Isolated from Eastern Cottontail Rabbits (*Sylvilagus floridanus*) on Nantucket Island, Massachusetts." *J. Clin. Microbiol.* 43 (2005): 3995-4001. PubMed: 16081941.

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