

## Genomic DNA from *Brucella abortus*, Strain 19 (S19)

**Catalog No. NR-50438**

**For research use only. Not for use in humans.**

### Contributor:

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### Manufacturer:

BEI Resources

### Product Description:

Genomic DNA was extracted from a preparation of *Brucella abortus* (*B. abortus*), strain 19, biovar 1.

*B. abortus*, strain 19 (also referred to as S19) biovar 1, was isolated in 1923 from cow's milk in Maryland, USA.<sup>1,2</sup> The complete genome sequence of *B. abortus*, strain 19 is available (GenBank: [CP000887.1](#) and [CP000888.1](#)).

NR-50438 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

### Material Provided:

Each vial contains approximately 0.7 µg to 1.5 µg of genomic DNA in MoBio PowerMicrobial® Maxi Solution MAX4 (kit catalog number 12226-25). The vial should be centrifuged prior to opening.

### Packaging/Storage:

NR-50438 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -20°C or colder immediately upon arrival. For long-term storage, the product should be stored at -80°C. Freeze-thaw cycles should be minimized.

**Note:** NR-50438 was not provided in ethylenediamine-tetraacetic acid (EDTA); for long-term storage, EDTA may be added to a final concentration of 1 mM.

### Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic DNA from *Brucella abortus*, Strain 19 (S19), NR-50438."

### 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:

1. Roop, M. R. II, Personal Communication.
2. Dorneles, E. M. S., N. Sriranganathan and A. P. Lage. "Recent Advances in *Brucella abortus* Vaccines." *Vet. Res.* 46 (2015): 76. PubMed: 26155935.

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