

Genomic DNA from *Brucella abortus*, Strain 86/8/59

Catalog No. NR-50165

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Brucella abortus* (*B. abortus*), strain 86/8/59, biovar 2.

B. abortus, strain 86/8/59 (also referred to as NCTC 10501) was isolated from a bovine fetus in 1959 by The Central Veterinary Laboratory in Weybridge, England. The complete genomic sequences of chromosomes 1 and 2 of *B. abortus*, strain 86/8/59 are available (GenBank: [CP007764.1](#) and [CP007765.1](#)).¹

NR-50165 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

Material Provided:

Each vial contains 0.7 µg to 1.5 µg of bacterial genomic DNA in 10 mM Tris-HCl, pH 8 - 8.5. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-50165 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-50165 is not provided in EDTA; for long-term storage, EDTA may be added to a final concentration of 0.1 mM to 1 mM.**

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic DNA from *Brucella abortus*, Strain 86/8/59, NR-50165."

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.

Disclaimers:

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References:

- Halling, S. M., et al. "Completion of the Genome Sequence of *Brucella abortus* and Comparison to the Highly Similar Genomes of *Brucella melitensis* and *Brucella suis*." *J. Bacteriol.* 187 (2005): 2715-2726. PubMed: 15805518.

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