

Genomic DNA from *Brucella abortus*, Strain 544

Catalog No. NR-50370

For research use only. Not for human use.

Contributor:
ATCC®

Manufacturer:
BEI Resources

Product Description:

Genomic DNA was isolated from a preparation of *Brucella abortus* (*B. abortus*), strain 544 (NCTC 10093, ATCC® 23448™), biovar 1.

B. abortus, strain 544 was isolated in 1936 from a bovine source in England. It was deposited at ATCC® in 1967 by Dr. W. J. Brinley-Morgan, Diseases of Breeding Department, The Central Veterinary Laboratory, Ministry of Agriculture, Fisheries and Food, New Haw, Weybridge, Surrey, England. The complete genomic sequence of *Brucella abortus*, strain 544 is available (GenBank: [AQIS000000000](https://www.ncbi.nlm.nih.gov/nuccore/AQIS000000000)).¹

Material Provided:

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

Packaging/Storage:

NR-50370 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-50370 is 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 544, NR-50370."

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:

1. 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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