

Genomic DNA from *Brucella abortus*, Strain 292

Catalog No. NR-50166

For research use only. Not for human use.

Contributor:
ATCC®

Manufacturer:
BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Brucella abortus* (*B. abortus*), strain 292 (NCTC 10503, ATCC® 23451™), biovar 4.

B. abortus, strain 292 was isolated from bovine fetus in 1960 by the Central Veterinary Laboratory in Weybridge, England. The complete genomic sequence of *Brucella abortus*, strain 292 is available (GenBank: [ACBH00000000](https://www.ncbi.nlm.nih.gov/nuccore/ACBH00000000)).¹

NR-50166 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

Material Provided:

Each vial contains bacterial genomic DNA in buffer. The amount per vial, concentration and buffer composition are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-50166 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.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic DNA from *Brucella abortus*, Strain 292, NR-50166.”

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.
- Chain, P. S., et al. “Whole-Genome Analyses of Speciation Events in Pathogenic Brucellae.” [Infect. Immun.](#) 73 (2005): 8353-8361. PubMed: 16299333.
- Ratushna, V. G., et al. “Molecular Targets for Rapid Identification of *Brucella* spp.” [BMC Microbiol.](#) 6 (2006): 13. PubMed: 16504063.

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