

## Genomic DNA from *Brucella abortus*, Strain 870 (NCTC 10505)

Catalog No. NR-50053

**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 870 (NCTC 10505) (BEI Resources NR-261 which was derived from ATCC® 23453™).

*B. abortus*, strain 870 (NCTC 10505), biovar 6, was isolated from bovine fetus in 1959 by Dr. R. G. Dijkstra. It was deposited to ATCC® in 1967 by Dr. W. J. Brinley-Morgan of The Central Veterinary Laboratory, Ministry of Agriculture, Fisheries and Food, New Haw, Weybridge, Surrey, England. The complete genome sequence of *B. abortus*, strain 870 (NCTC 10505) is available (GenBank: [CP007700](#), [CP007701](#), [CP007709](#) and [CP007710](#)).<sup>1</sup>

NR-50053 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

### Material Provided:

Each vial of NR-50053 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-50053 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-50053 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 870 (NCTC 10505), NR-50053."

### 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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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### References:

1. Minogue, T. D., et al. "Whole-Genome Sequences of 24 *Brucella* Strains." Genome Announc. 2 (2014): e00915-14. PubMed: 25237024.

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