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).1

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

**Disclaimers:**
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**References:**

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