Genomic DNA from *Brucella suis*, Strain 1330

Catalog No. NR-50164

For research use only. Not for human use.

Contributor:
ATCC®

Manufacturer:
BEI Resources

Product Description:
Genomic DNA was extracted from a preparation of *Brucella suis (B. suis)*, strain 1330 (NCTC 10316, ATCC® 23444™), biovar 1.

B. suis, strain 1330 was isolated from swine in 1950 by Wesley W. Spink, M.D., at the University of Minnesota Medical School, Minneapolis, Minnesota, USA. The complete genomic sequence of *Brucella suis*, strain 1330 is available (GenBank: NC_004310 and NC_004311).[1]

NR-50164 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-50164 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-50164 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 suis*, Strain 1330, NR-50164."

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. Paulsen, I. T., et al. "The *Brucella suis* Genome Reveals Fundamental Similarities between Animal and Plant Pathogens and Symbionts." Proc. Natl. Acad. Sci. USA 99 (2002): 13148-13153. PubMed: 12271122.
2. Ferrão-Beck, L., et al. "Development of a Multiplex PCR Assay for Polymorphism Analysis of *Brucella suis* Biovars Causing Brucellosis in Swine." Vet. Microbiol. 115 (2006): 269-277. PubMed: 16530357.
3. 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.
4. Ratushna, V. G., et al. "Molecular Targets for Rapid Identification of *Brucella* spp." BMC Microbiol. 6 (2006): 13. PubMed: 16504063.

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