

Genomic DNA from *Burkholderia mallei*, Strain Ivan (NCTC 10230)

Catalog No. NR-50096

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:

Genomic DNA was isolated from a preparation of *Burkholderia mallei* (*B. mallei*), strain Ivan (NCTC 10230).¹

B. mallei, strain Ivan was isolated from a horse sick with glanders in Hungary, 1961.¹

NR-50096 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-50096 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-50096 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-50096 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 *Burkholderia mallei*, Strain Ivan (NCTC 10230), NR-50096."

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.

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References:

1. Steel, K. J. and S. T. Cowan. "Le Rattachement de *Bacterium anitratum*, *Moraxella lwoffii*, *Bacillus mallei* et *Haemophilus paraptetussis* au Genre *Acinetobacter* Brissou et Prévot." *Ann. Inst. Pasteur (Paris)* 106 (1964): 479-483. PubMed: 14141566.
2. Bauernfeind, A., et al. "Molecular Procedure for Rapid Detection of *Burkholderia mallei* and *Burkholderia pseudomallei*." *J. Clin. Microbiol.* 36 (1998): 2737-2741. PubMed: 9705426.
3. Godoy, D., et al. "Multilocus Sequence Typing and Evolutionary Relationships Among the Causative Agents of Melioidosis and Glanders, *Burkholderia pseudomallei* and *Burkholderia mallei*." *J. Clin. Microbiol.* 41 (2003): 2068-2079. PubMed: 12734250.
4. Gee, J. E., et al. "Use of 16S rRNA Gene Sequencing for Rapid Identification and Differentiation of *Burkholderia pseudomallei* and *B. mallei*." *J. Clin. Microbiol.* 41 (2003): 4647-4654. PubMed: 14532197.

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