

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

Catalog No. NR-2534

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#### Contributor:

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#### Product Description:

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

*Burkholderia mallei* (formerly *Pseudomonas mallei*)<sup>2</sup> is a non-motile, aerobic, gram-negative coccobacillus that produces an extracellular capsule, which is an important virulence determinant.

*B. mallei* Ivan was isolated from a horse sick with glanders in Hungary, 1961.

NR-2534 has been qualified for PCR applications by amplification of ~ 1480 bp of the 16S ribosomal RNA gene.

#### Material Provided:

Each vial contains approximately 2 µg bacterial genomic DNA, lyophilized from 0.06 mL containing TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 8.0). The vial should be centrifuged prior to opening.

#### Packaging/Storage:

NR-2534 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at 4°C or colder immediately upon arrival. For optimal long-term storage, freezing the material at -20°C or colder is recommended. Freeze-thaw cycles should be minimized.

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Genomic DNA from *Burkholderia mallei*, Strain Ivan (NCTC 10230), NR-2534."

#### 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. 4th ed. Washington, DC: U.S. Government Printing Office, 1999. HHS Publication No. (CDC) 93-8395. This text is available online at [www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm).

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#### References:

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4. 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.

5. 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.
6. Ong, C., et al. "Patterns of Large-Scale Genomic Variation in Virulent and Avirulent *Burkholderia* Species." Genome Res. 14 (2004): 2295–2307. PubMed: 15520292.

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