

Genomic DNA from *Burkholderia thailandensis*, Strain E264**Catalog No. NR-10275****For research use only. Not for human use.****Contributor:**

Sharon J. Peacock, PhD, FRPC, FRCPPath, Head of Microbiology, Mahidol-Oxford Tropical Medicine Research Unit, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand

Product Description:

Genomic DNA was isolated from a preparation of *Burkholderia thailandensis* (*B. thailandensis*), strain E264 (BEI Resources NR-9907).

B. thailandensis, strain E264 is an environmental isolate obtained from a rice field soil sample in central Thailand.^{1,2} The entire genome of *B. thailandensis*, strain E264 has been sequenced (GenBank: CP000085 and CP000086).³

NR-10275 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA gene.

Material Provided:

Each vial contains approximately 4 to 6 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 7.4). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-10275 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 thailandensis*, Strain E264, NR-10275."

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government make any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

1. Brett, P. J., D. Deshazer and D. E. Woods. "Characterization of *Burkholderia pseudomallei* and *Burkholderia pseudomallei*-Like Strains." Epidemiol. Infect. 118 (1997): 137-148. PubMed: 9129590.
2. Wuthiekanun, V., et al. "Biochemical Characteristics of Clinical and Environmental Isolates of *Burkholderia pseudomallei*." J. Med. Microbiol. 45 (1996): 408-412. PubMed: 8958243.
3. Kim, H. S., et al. "Bacterial Genome Adaptation to Niches: Divergence of the Potential Virulence Genes in Three *Burkholderia* Species of Different Survival Strategies." BMC Genomics. 6 (2005): 174. PubMed: 16336651. GenBank: CP000085 and CP000086.

ATCC® is a trademark of the American Type Culture Collection.

