Genomic DNA from *Burkholderia pseudomallei*, Strain DD503

Catalog No. NR-9319

For research use only. Not for human use.

Contributor:
Herbert P. Schweizer, PhD, Professor, Department of Microbiology, Immunology and Pathology, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, Colorado, USA

Manufacturer:
BEI Resources

Product Description:
Genomic DNA was isolated from a preparation of *Burkholderia pseudomallei* (*B. pseudomallei)*, strain DD503 (BEI Resources NR-4072).

Strain DD503 is an AmrAB-OprA efflux pump mutant[1] of *B. pseudomallei*, strain 1026b (BEI Resources NR-4074).[2] The parent 1026b strain was isolated in 1993 from a blood culture of a rice farmer with diabetes mellitus at Sappasithiprasong hospital in Ubon, Ratchathani, Thailand.[3]

NR-9319 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

Material Provided:
Each vial contains approximately 4 µg 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-9319 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 BEI Resources, NIAID, NIH: Genomic DNA from *Burkholderia pseudomallei*, Strain DD503, NR-9319."

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. Moore, R. A., et al. "Efflux-Mediated Aminoglycoside and Macrolide Resistance in *Burkholderia pseudomallei*." Antimicrob. Agents Chemother. 43 (1999): 465-470. PubMed: 10049252.
2. DeShazer, D. "Genomic Diversity of *Burkholderia pseudomallei* Clinical Isolates: Subtractive Hybridization Reveals a *Burkholderia mallei*-Specific Prophage in *B. pseudomallei* 1026b." J. Bacteriol. 186 (2004): 3938-3950. PubMed: 15175308. GenBank: AY453853.
3. http://pathema.tigr.org/tigr-scripts/Burkholderia/shared/HtmlPage.cgi?page=strains

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BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898