

Genomic DNA from *Burkholderia pseudomallei*, Strain 286 (MP-S, NBL 121)

Catalog No. NR-2538

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Contributor:

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Product Description:

Genomic DNA was isolated from a preparation of *Burkholderia pseudomallei* (*B. pseudomallei*), strain 286 (MP-S, NBL 121).^{1,2}

Burkholderia pseudomallei (formerly *Pseudomonas pseudomallei*)³ is a motile, aerobic, gram-negative coccobacillus. Known virulence factors include flagella and a type II protein secretion system.

B. pseudomallei 286 was isolated in 1953 from a human with chronic melioidosis in Louisiana, having evidence of infection acquired while living in the Far East.⁴

NR-2538 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 0.03 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-2538 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 pseudomallei*, Strain 286 (MP-S, NBL 121), NR-2538."

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.

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