

Genomic DNA from *Burkholderia pseudomallei*, Strain 1106b

Catalog No. NR-8215

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 pseudomallei* (*B. pseudomallei*), strain 1106b (BEI Resources NR-8068).

B. pseudomallei, strain 1106b was isolated in 1996 from pus aspirated from a recurring liver abscess of a female rice farmer with thalassaemia at Sappasithiprasong Hospital in Ubon Ratchathani, Thailand.¹ The patient was admitted and treated for melioidosis previously, in 1993. *B. pseudomallei* was isolated from both the 1993 and 1996 samples, yielding strains 1106a and 1106b, respectively.² The genome sequences of chromosomes 1 and 2 of *B. pseudomallei*, strain 1106b are available (GenBank: [CM000774.1](#) and [CM000775.1](#)).³

NR-8215 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-8215 contains 0.7 µg to 1.5 µg of bacterial genomic DNA in Tris-HCl buffer (10 mM Tris-HCl, pH 8 – 8.5). Each vial of NR-8215 lot 57983825 contains approximately 5 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-8215 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. Note: Some lots of NR-8215 are 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 pseudomallei*, Strain 1106b, NR-8215."

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. Peacock, S. J., Personal Communication.
2. Cheng, A. C. and B. J. Currie. "Melioidosis: Epidemiology, Pathophysiology, and Management." *Clin. Microbiol. Rev.* 18 (2005): 383-416. PubMed: 15831829.
3. Hayden, H. S., et al. "Evolution of *Burkholderia pseudomallei* in Recurrent Melioidosis." *PLoS ONE* 7 (2012): e36507. PubMed: 22615773.

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