

Genomic DNA from *Burkholderia pseudomallei*, Strain China 3 (MP-H, NBL 104)

Catalog No. NR-50051

Product Description: Genomic DNA was extracted from a preparation of *Burkholderia pseudomallei* (*B. pseudomallei*), strain China 3 (MP-H, NBL 104) (BEI Resources NR-24 which was derived from ATCC® 11668™).

Lot¹: 63807280

Manufacturing Date: 31MAR2015

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1470 base pairs)	Consistent with <i>B. pseudomallei</i>	Consistent with <i>B. pseudomallei</i> ²
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	0.7 to 1.5 µg in 25 to 100 µL per vial	1.0 µg in 45 µL per vial (22 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 base pair amplicon	~ 1500 base pair amplicon
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	Consistent with <i>B. pseudomallei</i>	Consistent with <i>B. pseudomallei</i> (C at position 75) ³
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.1	1.7
Bacterial Inactivation 10% of total yield plated on Tryptic Soy agar ^{4,5}	No viable bacteria detected	No viable bacteria detected

¹The bacterial preparation used for extraction of genomic DNA was produced by culture of BEI Resources NR-24 (lot 4737954). Genomic DNA was extracted using proprietary technology.

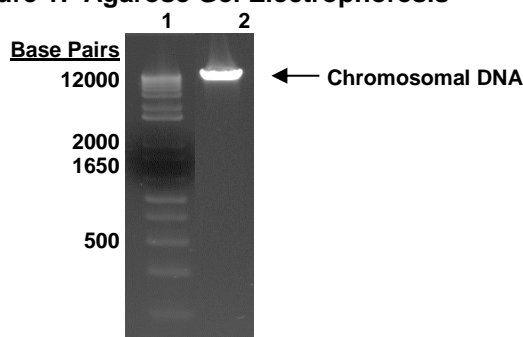
²Also consistent with *Burkholderia mallei*

³Gee, J. E., et al. "Use of 16S rRNA Gene Sequencing for Rapid Identification and Differentiation of *Burkholderia pseudomallei* and *B. mallei*". *J. Clin. Microbiol.* 10 (2003): 4647-4654. PubMed: 14532197.

⁴7 days at 30°C in an aerobic atmosphere

⁵An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative and Gram-positive bacteria.

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™
Lane 2: 200 ng of NR-50051

Date: 10 MAR 2016

Signature: 

BEI Authentication or designee

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

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