

Certificate of Analysis for NR-8220

Genomic DNA from Burkholderia mallei, Strain GB8 horse 4

Catalog No. NR-8220

Product Description: Genomic DNA was isolated from a preparation of *Burkholderia mallei* (*B. mallei*), strain GB8 horse 4.

Lot¹: 57983830 Manufacturing Date: 28MAY2008

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1400 bp)	Identical to BEI Resources NR-8073 Identical to GenBank CP000010 and CP000011 Consistent with <i>B. mallei</i>	Identical to BEI Resources NR-8073 Identical to GenBank CP000010 and CP000011 Consistent with <i>B. malle</i> ²
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	4 to 6 μg in 25 to 100 μL per vial	5.2 μg in 37 μL per vial (140 μg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD ₂₆₀ /OD ₂₈₀ Ratio	1.7 to 1.9	1.9
Bacterial Inactivation 10% of total yield plated on agar ³	No viable bacteria detected	No viable bacteria detected

¹B. mallei, strain GB8 horse 4 was deposited by Dr. Herbert P. Schweizer of the Department of Microbiology, Immunology and Pathology, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, Colorado. The bacterial preparation used for extraction of genomic DNA was produced from the deposited material. Genomic DNA was extracted using proprietary technology.

Date: 23 MAY 2012 Signature:

Title: Technical Manager, BEI Authentication or designee

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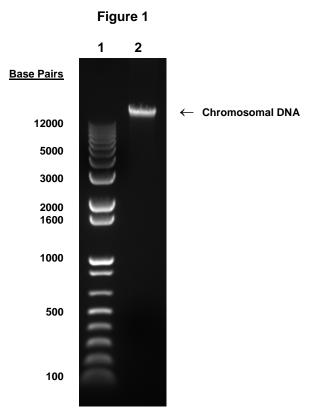
800-359-7370

²Also consistent with other *Burkholderia* species

³An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative bacteria.



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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder

Lane 2: 200 ng of NR-8220

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