

## 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.

**Lot<sup>1</sup>: 57983830**

**Manufacturing Date: 28MAY2008**

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

<sup>1</sup>*B. 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.

<sup>2</sup>Also consistent with other *Burkholderia* species

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

**Date:** 23 MAY 2012

**Signature:**



**Title:** Technical Manager, BEI Authentication or designee

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