

**Genomic DNA from *Brucella abortus*, Strain RB51**

**Catalog No. NR-2553**

This reagent is the property of the U.S. Government.

**Product Description:** Genomic DNA was isolated from a preparation of *Brucella abortus* (*B. abortus*), strain RB51.

**Lot<sup>1</sup>: 7051540**

**Manufacturing Date: MAR2006**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of 16S Ribosomal RNA Gene (~ 1430 bp)</b>	Identical to BEI Resources NR-2552 Consistent with <i>B. abortus</i>	Identical to BEI Resources NR-2552 Consistent with <i>B. abortus</i> <sup>2</sup>
<b>Agarose Gel Electrophoresis</b>	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
<b>Functional Activity by PCR Amplification</b> 16S ribosomal RNA gene	~ 1430 bp amplicon	~ 1430 bp amplicon
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio</b>	Report results	1.89
<b>Bacterial Inactivation</b> 10% of total yield plated on agar; limit of detection is 0.02 colony-forming units per vial	No viable bacteria detected	No viable bacteria detected

<sup>1</sup>*B. abortus*, strain RB51 was deposited by the Centers for Disease Control and Prevention, Atlanta, Georgia. The bacterial preparation used for extraction of genomic DNA was produced from the CDC deposited material. Genomic DNA was extracted using proprietary technology.

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

**Date:** 23 MAY 2012

**Signature:**



**Title:**

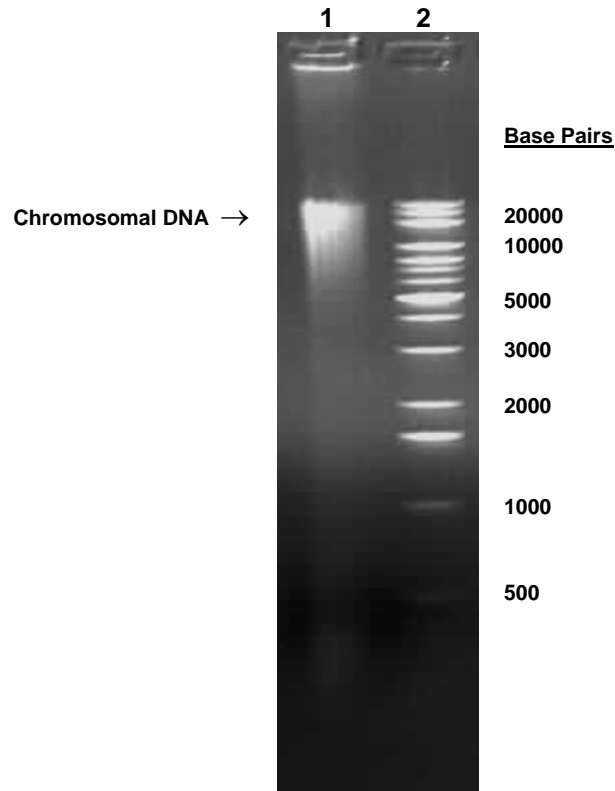
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**Figure 1**



Lane 1: 100 ng of NR-2553  
Lane 2: Invitrogen™ 1 Kb DNA Extension Ladder