

Genomic DNA from *Brucella abortus*, Strain 870 (NCTC 10505)

Catalog No. NR-2531

Product Description: Genomic DNA was isolated from a preparation of *Brucella abortus* (*B. abortus*), strain 870 (NCTC 10505).

Lot¹: 4741218

Manufacturing Date: NOV2005

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1430 bp)	Identical to BEI Resources NR-261 Consistent with <i>B. abortus</i>	Identical to BEI Resources NR-261 Consistent with <i>B. abortus</i> ²
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1430 bp amplicon	~ 1430 bp amplicon
OD₂₆₀/OD₂₈₀ Ratio	Report results	1.98
Bacterial Inactivation 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

¹The bacterial preparation used for extraction of genomic DNA was produced from ATCC[®] 23453[™]. Genomic DNA was extracted using proprietary technology.

²Also consistent with other *Brucella* species

Date: 23 MAY 2012

Signature:



Title:

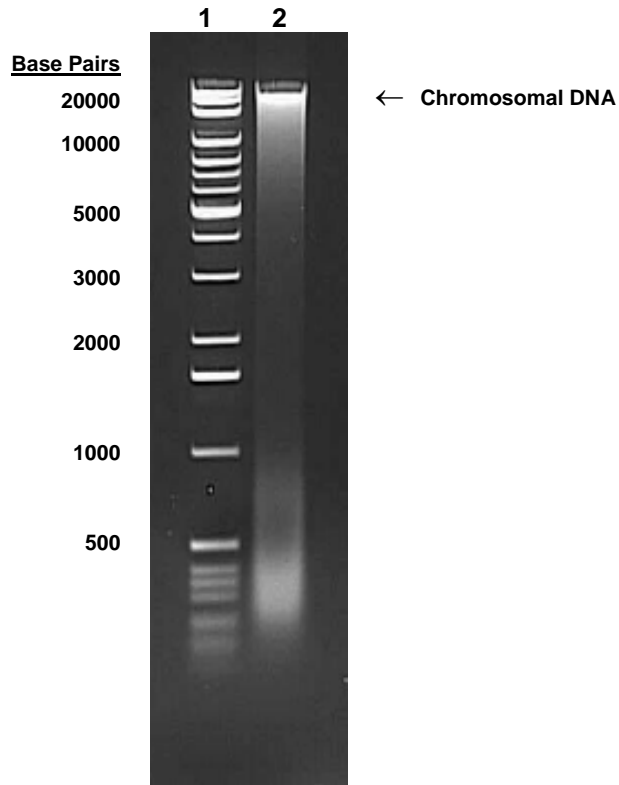
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Figure 1



Lane 1: Invitrogen™ 1 Kb DNA Extension Ladder
Lane 2: 100 ng of NR-2531