

**Genomic DNA from *Listeria monocytogenes*, Strain FSL R2-503**

**Catalog No. NR-13347**

**Product Description:** Genomic DNA was obtained from a preparation of *Listeria monocytogenes* (*L. monocytogenes*), strain FSL R2-503.

**Lot<sup>1</sup>: 58580374**

**Manufacturing Date: 14APR2009**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of 16S Ribosomal RNA Gene</b> (~ 1410 bp)	Consistent with <i>L. monocytogenes</i> Identical to BEI Resources NR-13230	Consistent with <i>L. monocytogenes</i> <sup>2</sup> Identical to BEI Resources NR-13230
<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	4.2 µg in 77 µL per vial (54 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	1.8
<b>Bacterial Inactivation</b> 10% of total yield plated on Tryptic Soy Agar with 5% sheep blood <sup>3,4</sup>	No viable bacteria detected	No viable bacteria detected

<sup>1</sup>The bacterial preparation used for extraction of genomic DNA was produced by inoculation of the deposited material into Tryptic Soy Broth. After incubation for 24 hours at 37°C in an aerobic atmosphere, genomic DNA was extracted using proprietary technology.

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

<sup>3</sup>7 days at 37°C in an aerobic atmosphere

<sup>4</sup>An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative and Gram-positive bacteria.

**Date:** 05 MAY 2011

**Signature:** 

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

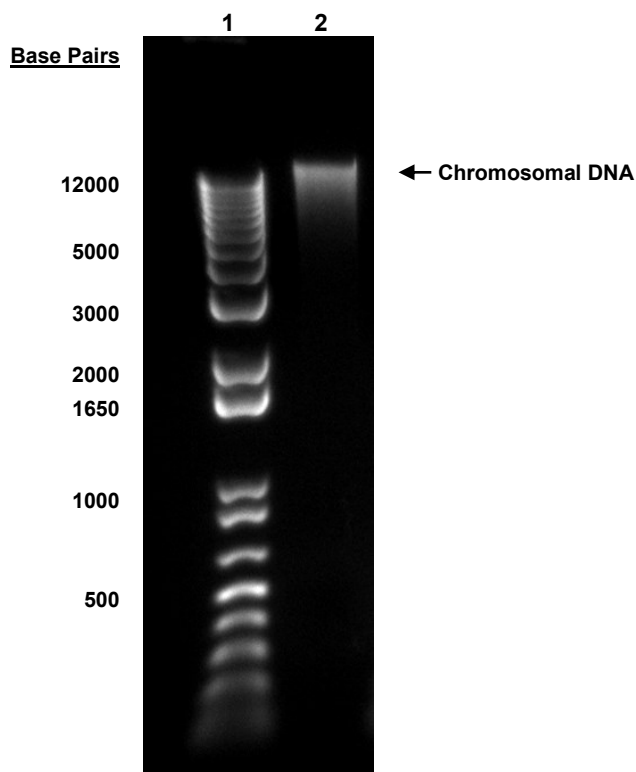
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You are authorized to use this product for research use only. It is not intended for human use.



Figure 1



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder  
Lane 2: 200 ng of NR-13347