

**Genomic DNA from *Listeria monocytogenes*, Strain FSL J2-064**

**Catalog No. NR-13354**

**Product Description:** Genomic DNA was obtained from a preparation of *Listeria monocytogenes* (*L. monocytogenes*), strain FSL J2-064.

**Lot<sup>1</sup>: 58666827**

**Manufacturing Date: 15JUL2009**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of 16S Ribosomal RNA Gene (~ 1380 bp)</b>	Consistent with <i>L. monocytogenes</i> Identical to BEI Resources NR-13237	Consistent with <i>L. monocytogenes</i> <sup>2</sup> Identical to BEI Resources NR-13237
<b>Agarose Gel Electrophoresis</b>	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
<b>Concentration by PicoGreen® Measurement</b>	4 to 6 µg in 25 to 100 µL per vial	5.8 µg in 60 µL per vial (95.9 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>*L. monocytogenes*, strain FSL J2-064 was deposited by Professor Patrick L. McDonough, Ph.D., Director, Bacteriology and Mycology Section, Animal Health Diagnostic Center, Department of Population Medicine and Diagnostic Sciences, College of Veterinary Medicine, Cornell University, Ithaca, New York. The bacterial preparation used for extraction of genomic DNA was produced by broth (Brain Heart Infusion, BD 237500) culture of the deposited material. 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 bacteria.

**Date:** 29 Jan 2010

**Signature:** Signature on File

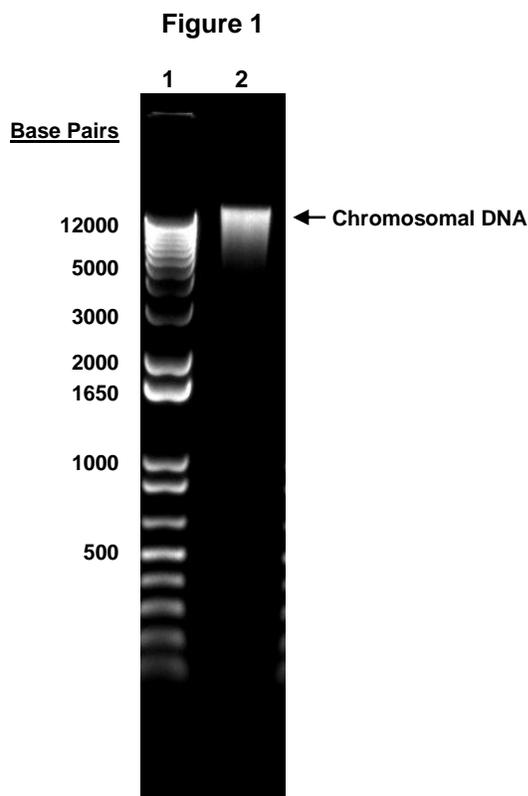
**Title:** Technical Manager, BEI Authentication or designee

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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder  
Lane 2: 200 ng of NR-13354