

Genomic DNA from *Listeria monocytogenes*, Strain FSL J2-071

Catalog No. NR-13349

Product Description: Genomic DNA was obtained from a preparation of *Listeria monocytogenes* (*L. monocytogenes*), strain FSL J2-071.

Lot¹: 58792206

Manufacturing Date: 17DEC2009

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1410 bp)	Consistent with <i>L. monocytogenes</i> Identical to BEI Resources NR-13232	Consistent with <i>L. monocytogenes</i> ² Identical to BEI Resources NR-13232
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen[®] Measurement	4 to 6 µg in 25 to 100 µL per vial	5.4 µg in 58 µL per vial (94 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 1.9	1.8
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar with 5% sheep blood ^{3,4}	No viable bacteria detected	No viable bacteria detected

¹*L. monocytogenes*, strain FSL J2-071 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.

²Also consistent with other *Listeria* species

³7 days at 37°C in an aerobic atmosphere

⁴An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative or Gram-positive bacteria.

Date: 02 JUN 2010

Signature: Signature on File

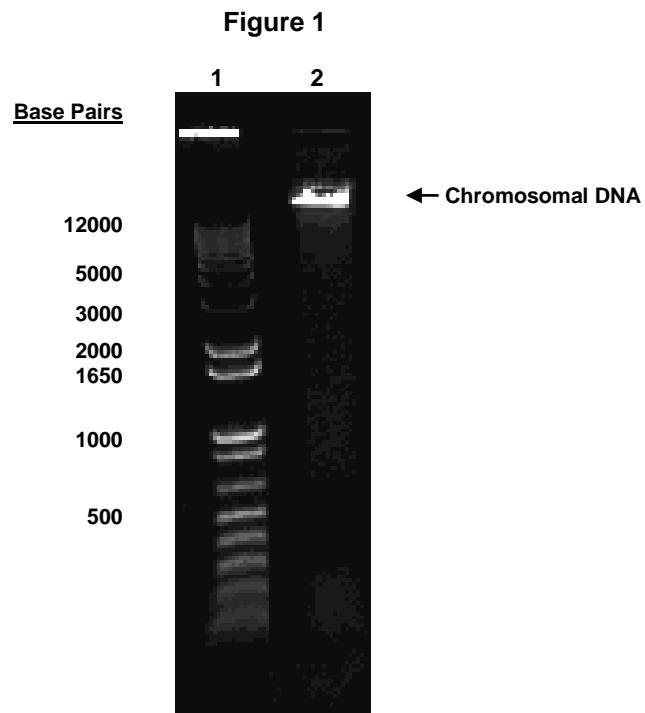
Title: Technical Manager, BEI Authentication or designee

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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: 200 ng of NR-13349