

Genomic DNA from *Listeria monocytogenes*, Strain FSL J1-194

Catalog No. NR-13346

Product Description: Genomic DNA was obtained from a preparation of *Listeria monocytogenes* (*L. monocytogenes*), strain FSL J1-194.

Lot¹: 58732835

Manufacturing Date: 23FEB2010

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1420 bp)	Consistent with <i>L. monocytogenes</i> Identical to BEI Resources NR-13229	Consistent with <i>L. monocytogenes</i> ² Identical to BEI Resources NR-13229
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 65 µL per vial (83 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	1.9
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

¹The bacterial preparation used for extraction of genomic DNA was produced by inoculation of the deposited material into Brain Heart Infusion Broth. After incubation for 24 hours at 37°C, 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 and Gram-positive bacteria.

Date: 05 MAY 2011

Signature: 

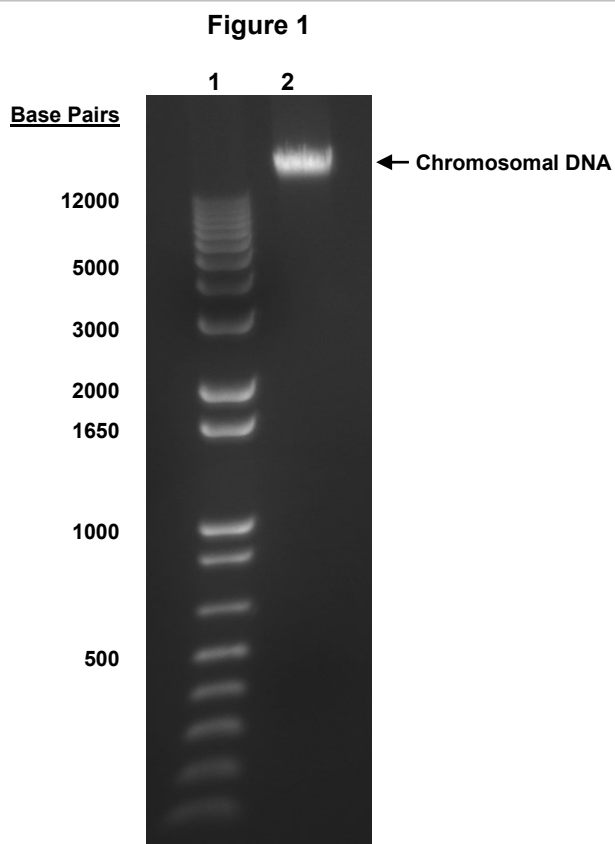
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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: 200 ng of NR-13346