

Genomic DNA from *Listeria monocytogenes*, Strain F6900

Catalog No. NR-13344

Product Description: Genomic DNA was obtained from a preparation of *Listeria monocytogenes* (*L. monocytogenes*), strain F6900.

Lot¹: 58666828

Manufacturing Date: 15JUL2009

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1410 bp)	Consistent with <i>L. monocytogenes</i> Identical to BEI Resources NR-13227	Consistent with <i>L. monocytogenes</i> ² Identical to BEI Resources NR-13227
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	6.2 µg in 69 µL per vial (89 µg/mL) ³
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 ^{4,5}	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 Tryptic Soy Broth. After incubation for 24 hours at 37°C, genomic DNA was extracted using proprietary technology.

²Also consistent with other *Listeria* species

³The µg of DNA in the vials is greater than required by current specifications

⁴7 days at 37°C in an aerobic atmosphere

⁵An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-positive and Gram-negative bacteria.

Date: 10 MAY 2012

Signature: 

Title: Technical Manager, BEI Authentication or designee

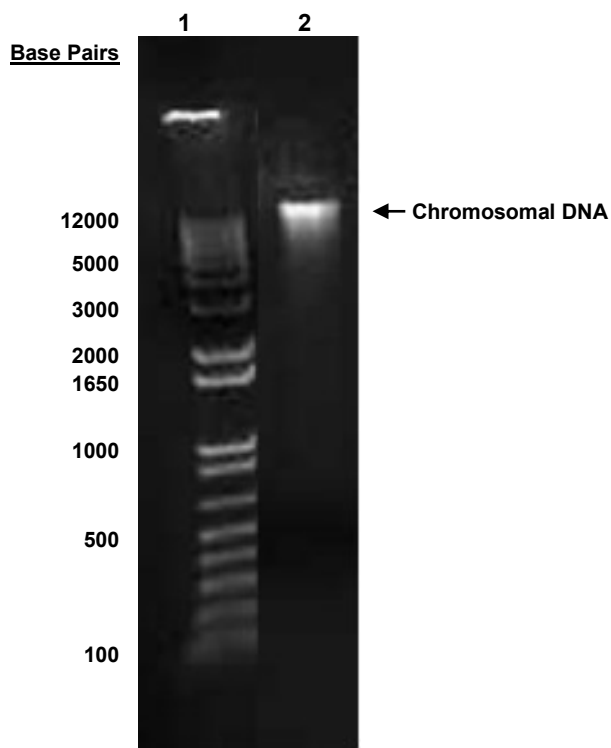
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Figure 1



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: 200 ng of NR-13344