

Genomic DNA from *Listeria monocytogenes*, Strain FSL N3-165

Catalog No. NR-13350

Product Description: Genomic DNA was obtained from a preparation of *Listeria monocytogenes* (*L. monocytogenes*), strain FSL N3-165. Strain FSL N3-165 is an environmental serotype associated with soil samples from control farms without diseased animals.

Lot¹: 59510160

Manufacturing Date: 29SEP2010

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1410 bp)	Consistent with <i>L. monocytogenes</i> Identical to BEI Resources NR-13233	Consistent with <i>L. monocytogenes</i> ² Identical to BEI Resources NR-13233
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen[®] Measurement	0.7 to 1.5 µg in 25 to 100 µL per vial	1.1 µg in 19 µL per vial (59 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	1.7
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 Brain Heart Infusion Broth. After incubation for 48 hours at 37°C, genomic DNA was extracted using proprietary technology.

²Also consistent with other *Listeria* species

³The amount of genomic DNA in the vial adequately meets the specifications, even though the volume of material in the vial is lower than the specification.

⁴7 days at 37°C in an aerobic atmosphere

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

Date: 10 MAY 2012

Signature:



Title:

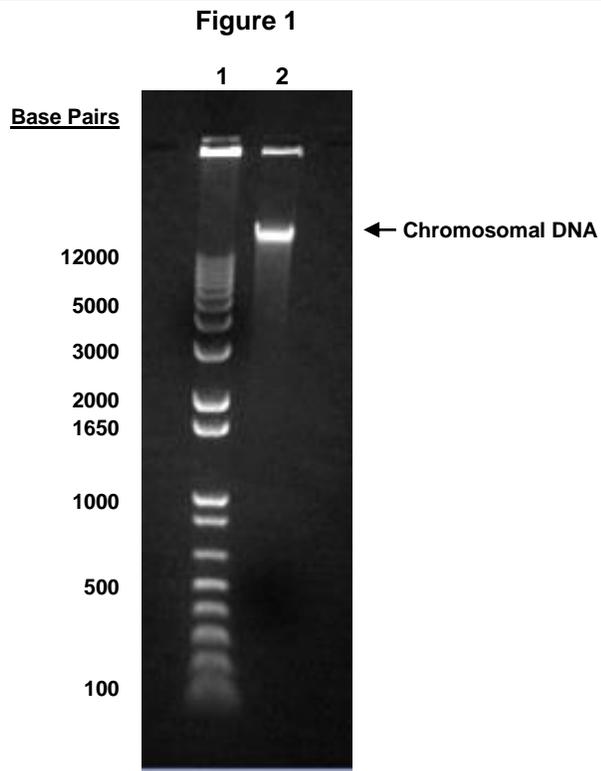
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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: 200 ng of NR-13350