

Genomic DNA from *Listeria monocytogenes*, Strain 10403s

Catalog No. NR-13340

Product Description: Genomic DNA was obtained from a preparation of *Listeria monocytogenes* (*L. monocytogenes*), strain 10403s.

Lot¹: 61012594

Manufacturing Date: 25MAY2012

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1490 bp)	Consistent with <i>L. monocytogenes</i>	Consistent with <i>L. monocytogenes</i> ^{2,3}
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	1.0 µg in 39 µL per vial (26 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 2.0	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 culture of BEI Resources NR-13223 (lot 58666839). Genomic DNA was extracted using proprietary technology.

²Also consistent with other *Listeria* species

³99% identical to GenBank: CP002002 (*L. monocytogenes*, strain 10403s)

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: 03 JUL 2013

Signature:



Title:

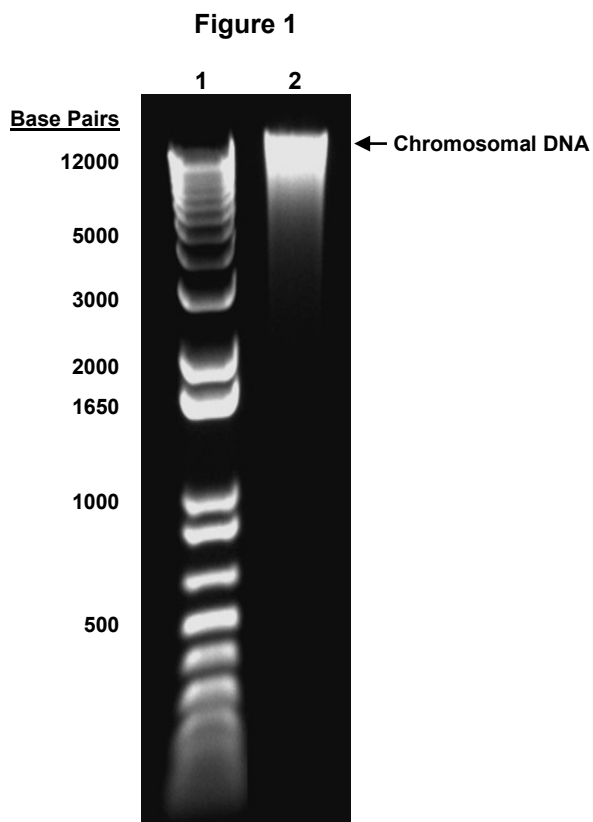
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Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™
Lane 2: 200 ng of NR-13340