

Genomic DNA from *Escherichia coli*, Strain 94-G7771

Catalog No. NR-3047

Product Description: Genomic DNA was isolated from a preparation of *Escherichia coli*, strain 94-G7771, serotype O157:NM.

Lot¹: 7559645

Manufacturing Date: 05AUG2006

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 450 bp)	Consistent with <i>Escherichia coli</i>	Consistent with <i>Escherichia coli</i> ²
Presence of Plasmid Confirmed by PCR Amplification pO157	Confirmed	Confirmed
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	5.7 µg in 39 µL per vial (148 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene Gene-length DNA from pO157 (<i>hlyA</i> virulence marker)	~ 1500 bp amplicon ~ 3200 bp amplicon	~ 1500 bp amplicon ~ 3200 bp amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 1.9	1.9
Bacterial Inactivation 10% of total yield plated on Trypticase Soy Agar ^{3,4}	No viable bacteria detected	No viable bacteria detected

¹The bacterial preparation used for extraction of genomic DNA was produced by inoculation of BEI Resources NR-9 (Lot: 3592832) onto Trypticase Soy Agar. After incubation for 20 hours at 37°C, genomic DNA was extracted using proprietary technology.

²Also consistent with *Shigella* 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 bacteria.

Date: 06 NOV 2007

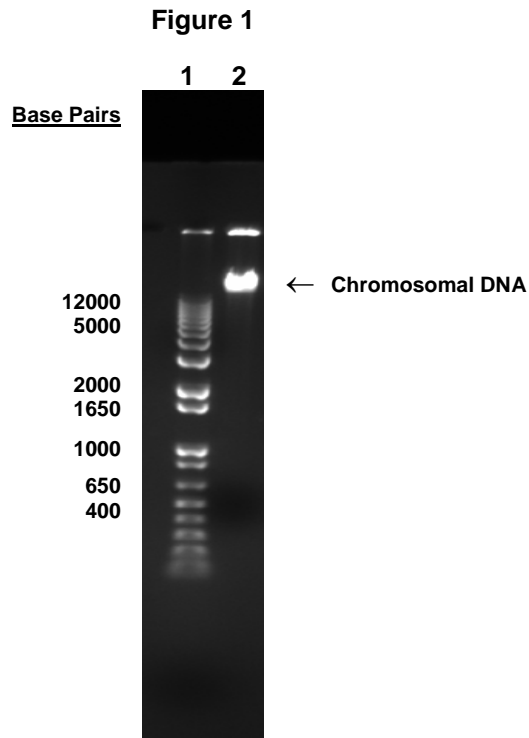
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Lane 1: Invitrogen™ 1Kb Plus DNA Ladder™
Lane 2: 200 ng of NR-3047