

Escherichia coli, Strain EDL932

Catalog No. NR-7

(Derived from ATCC® 43894™)

Product Description: *Escherichia coli* (*E. coli*), strain EDL932 and many other enterohemorrhagic *E. coli* (EHEC) strains release potent toxins, similar to those of *Shigella dysenteriae*, which can cause severe intestinal, kidney and central nervous system disease. *E. coli*, strain EDL932 carries virulence-associated genes located on both the chromosome and plasmid of the organism.

Lot¹: 3560113

Manufacturing Date: 18MAR2004

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Analytical profile index (API® 20 E)	Gram-negative Report results Consistent with <i>E. coli</i>	Gram-negative Circular, low convex, entire and translucent Consistent with <i>E. coli</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (650 bp)	Consistent with <i>E. coli</i>	Consistent with <i>E. coli</i> ³
Presence of Plasmid Confirmed by PCR Amplification of Extracted DNA pO157	Confirmed	Confirmed
PCR Assay of Extracted DNA⁴ 16S ribosomal RNA gene Presence of virulence-associated chromosomal markers <i>stx1</i> <i>stx2</i> <i>eaeA</i>	~ 1500 bp amplicon ~ 349 bp amplicon ~ 404 bp amplicon ~ 526 bp amplicon	~ 1500 bp amplicon ~ 349 bp amplicon ~ 404 bp amplicon ~ 526 bp amplicon
Viability (post-freeze)⁵	Growth	Growth

¹NR-7 was produced by inoculation of ATCC® 43894™ (Lot 1980263) into Tryptic Soy broth (BD 211825) for 24 hours at 37°C in an aerobic atmosphere.

²24 hours at 37°C in an aerobic atmosphere in Tryptic Soy agar

³Also consistent with *Shigella* species

⁴DNA was extracted from a broth culture grown from BEI Resources NR-7.

⁵24 hours at 37°C in an aerobic atmosphere in Tryptic Soy broth (BD 211768)

Date: 18 MAR 2015

Signature:



Title:

Technical Manager, BEI Authentication or designee

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