

Escherichia coli, Strain JB1-95 (Serotype O111:H-)

Catalog No. NR-17628

Product Description:

Escherichia coli (*E. coli*), strain JB1-95 (serotype O111:H-) is a human isolate; its genome encodes for both Shiga-like type I toxin (Stx1) and Shiga-like type II toxin (Stx2). NR-17628 was produced by inoculation of BEI Resources seed lot 64044866 into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

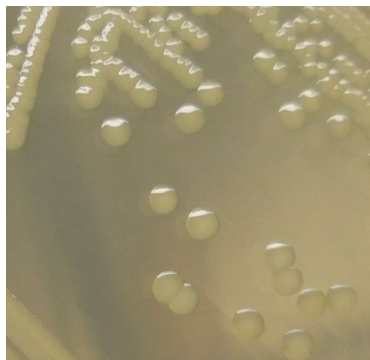
Lot: 70065652

Manufacturing Date: 24JAN2024

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility Hardy Diagnostics™ Motility Test Medium with TTC Indicator for 1 day at 37°C in an aerobic atmosphere VITEK® MS (MALDI-TOF)	Gram-negative rods Report results Report results <i>E. coli</i>	Gram-negative rods Circular, convex, entire, smooth and cream (Figure 1) Non-motile <i>E. coli</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1440 base pairs)	≥ 99% sequence identity to <i>E. coli</i> , strain JB1-95 (GenBank: AEZV02000072.1)	100% sequence identity to <i>E. coli</i> , strain JB1-95 (GenBank: AEZV02000072.1) ¹
PCR Amplification of Chromosomal-Borne Virulence Markers <i>stx1</i> <i>stx2</i>	Positive Positive	Positive Positive
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Tryptic Soy agar	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

¹Also consistent with *Shigella* and other *Escherichia* species

Figure 1: Colony Morphology



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