

***Escherichia coli*, Strain CDC (ATCC® 12807™)**

Catalog No. NR-99
(Derived from ATCC® 12807™)

Product Description: The atypical enteropathogenic *Escherichia coli* (EPEC) is a Gram-negative, rod-shaped bacterium that causes diarrheal outbreaks and chronic diarrhea, especially in infants.

Lot¹: 3663825

Manufacturing Date: 01APR2004

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Tryptic soy agar Hektoen enteric agar Sorbitol-MacConkey agar CHROMagar™ O157 Analytical profile index (API® 20 E)	Gram-negative rods Circular, low convex, entire, transparent Bright yellow-orange Report results Report results Consistent with <i>Escherichia coli</i>	Gram-negative rods Circular, low convex, entire, transparent Bright yellow-orange (see Figure 1A) Colorless (see Figure 1B) Mauve/blue (see Figure 1C) Consistent with <i>Escherichia coli</i>
Genotypic Analysis of Extracted Nucleic Acid Sequencing of 16S rRNA gene (~ 650 bp) PCR amplification of plasmid markers EAF (pEAF) <i>bfpA</i> (pEAF) <i>elt</i> (pJY11) <i>esth</i> and/or <i>estp</i> (pCS1) <i>invE</i> (pINV) CVD432 (pAA) <i>aggR</i> (pAA) PCR amplification of chromosomal markers <i>eeA</i> <i>stx1</i> <i>sx2</i> <i>astA</i>	Consistent with <i>Escherichia coli</i> Report results Report results Negative Negative Negative Negative Negative Report results Negative Negative Report results	Consistent with <i>Escherichia coli</i> Positive Positive Negative Negative Negative Negative Negative Negative Negative Negative Negative
Viability (post-freeze)³	Growth	Growth

¹NR-99 was produced by inoculation of ATCC® 12807™ into Trypticase Soy Broth (BD 211768).

²Also consistent with *Shigella* species.

³16 hours at 37°C and aerobic atmosphere in LB Broth (ATCC® 60-2100).



Figure 1

Date: 03 MAR 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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