

Escherichia coli, Strain NCDC U14-41

Catalog No. NR-102

(Derived from ATCC® 23501™)

Product Description: The enteroaggregative *Escherichia. coli* (EAEC) is a Gram-negative, rod-shaped bacterium which is increasingly recognized as a cause of diarrhea in children in developing countries.

Lot¹: 3670409

Manufacturing Date: 08APR2004

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, smooth, transparent Bright yellow-orange Report results Report results Consistent with <i>Escherichia coli</i>	Gram-negative rods Circular, low convex, entire, smooth, transparent Bright yellow-orange (see Figure 1A) Red (see Figure 1B) Blue (see Figure 1C) Consistent with <i>Escherichia coli</i>
Genotypic Analysis of Extracted Nucleic Acid Sequencing of 16S rRNA gene (~ 580 bp) PCR amplification of plasmid markers CVD432 (pAA) aggR (pAA) elt (pJY11) esth and/or estp (pCS1) EAF (pEAF) bfpA (pEAF) invE (pINV) PCR amplification of chromosomal markers eaeA stx1 sx2 astA	Consistent with <i>Escherichia coli</i> Report results Report results Report results Report results Negative Negative Negative Negative 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-102 was produced by inoculation of ATCC® 23501™ 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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