

***Escherichia coli*, Strain NCDC 909-51**

Catalog No. NR-101

(Derived from ATCC® 23520™)

Product Description: The enteroinvasive *Escherichia coli* (EIEC) strain NCDC 909-51 is a gram-negative, rod-shaped bacterium that invades and multiplies within intestinal epithelial cells, resulting in a dysentery-like enteritis in humans, similar to that caused by *Shigella* species.

Lot¹: 3670407

Manufacturing Date: 07APR2004

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphologies Analytical profile index (API® 20 E)	Gram-negative Circular, low convex, entire, transparent and irregular, flat, entire, transparent Consistent with <i>Escherichia coli</i>	Gram-negative Circular, low convex, entire, transparent and irregular, flat, entire, transparent Consistent with <i>Escherichia coli</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 330 bp) Riboprinting	Consistent with <i>Escherichia coli</i> Both colony morphologies consistent with <i>Escherichia coli</i> (≥ 85% similarity)	Consistent with <i>Escherichia coli</i> ² Both colony morphologies consistent with <i>Escherichia coli</i> (≥ 85% similarity)
Viability (post-freeze)³	Growth	Growth

¹NR-101 was produced by inoculation of ATCC® 23520™ 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).

Date: 09 AUG 2006

Signature: Signature on File

Title: Technical Manager, BEI Authentication

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