

Escherichia coli, Strain UMN 026 (BAA-1161)

Catalog No. NR-712

(Derived from ATCC® BAA-1161™)

Product Description: *Escherichia coli* (*E. coli*), strain UMN 026, serotype O17:K52:H18 is an extraintestinal pathogenic *E. coli* (ExPEC) that possess virulence traits that allow them to invade, colonize, and induce disease in bodily sites outside of the gastrointestinal tract. Virulence factors of ExPEC belonging to a multidrug-resistant clonal group A (CGA) have been associated with urinary tract infections.

Lot¹: 4131709

Manufacturing Date: 06APR2005

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 glistening Consistent with <i>E. coli</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 470 bp)	Consistent with <i>E. coli</i> Identical to GenBank: CU928163	Consistent with <i>E. coli</i> ³ Identical to GenBank: CU928163
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 No amplicon No amplicon No amplicon	~ 1500 bp amplicon No amplicon No amplicon No amplicon
Viability (post-freeze)⁵	Growth	Growth

¹NR-712 was produced by inoculation of ATCC® BAA-1161™ into Tryptic Soy Broth (BD 211825) for 24 hours at 37°C and aerobic atmosphere.

²24 hours at 37°C and aerobic atmosphere in Tryptic Soy Agar (BD 236950)

³Also consistent with *Shigella* species

⁴DNA was extracted from a broth culture grown from BEI Resources NR-712.

⁵24 hours at 37°C and aerobic atmosphere in Tryptic Soy Broth

Date: 27 FEB 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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