

Escherichia coli, Strain UMN 308 (BAA-1162)

Catalog No. NR-713

(Derived from ATCC® BAA-1162™)

Product Description: *Escherichia coli* (*E. coli*), strain UMN 308 is an uropathogenic *E. coli* (UPEC) that produces G fimbriae, which is essential for promoting bacterial adherence to receptor structures present on host receptors and is a major facultative inhabitant of the large intestine.

Lot¹: 4131714

Manufacturing Date: 07APR2005

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 (495 bp)	Consistent with <i>E. coli</i>	Consistent with <i>E. coli</i> ³
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-713 was produced by inoculation of ATCC® BAA-1162™ 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-713.

⁵24 hours at 37°C and aerobic atmosphere in Tryptic Soy Broth (BD 211768)

Date: 27 FEB 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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