

***Escherichia coli*, Strain 101-1**

**Catalog No. NR-9298**

**Product Description:** Enteroaggregative *Escherichia coli* (EAEC) are Gram-negative, rod-shaped bacteria which are increasingly recognized as a cause of diarrhea in children in developing countries. Strain 101-1 is an atypical EAEC strain of *Escherichia coli* (*E. coli*) which was isolated from stool specimens after an outbreak of gastrointestinal illness in Japan.

**Lot<sup>1</sup>: 58498185**

**Manufacturing Date: 18MAR2009**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Analytical profile index (API® 20 E)	Gram-negative rod Report results  Consistent with <i>E. coli</i>	Gram-negative rod Circular, low convex, entire, cream and opaque (Figure 1) Consistent with <i>E. coli</i>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1410 bp)	Consistent with <i>E. coli</i>	Consistent with <i>E. coli</i> <sup>3</sup>
<b>PCR Assay of Extracted DNA</b> 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
<b>Viability (post-freeze)<sup>4</sup></b>	Growth	Growth

<sup>1</sup>*E. coli* strain 101-1 was deposited by James B. Kaper, Center for Vaccine Development, Department of Microbiology and Immunology, University of Maryland, School of Medicine. NR-9298 was produced by inoculation of the deposited material into Tryptic Soy Broth (BD 211825) and grown 24 hours at 37°C and aerobic atmosphere. Broth inoculum was added to Kolles which were grown 24 hours at 37°C and aerobic atmosphere to produce this lot.

<sup>2</sup>24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar (BD 236950)

<sup>3</sup>Also consistent with *Shigella* species

<sup>4</sup>24 hours at 37°C and aerobic atmosphere in Tryptic Soy Broth

**Figure 1**



**Date:** 03 JUN 2009

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

