

**Escherichia coli Serotype O-2, Strain U9-41**

**Catalog No. NR-17666**

**Product Description:**

*Escherichia coli* (*E. coli*) Serotype O-2, strain U9-41 was isolated from human urine. NR-17666 was produced by the inoculation of BEI Resources seed lot 61175014 into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

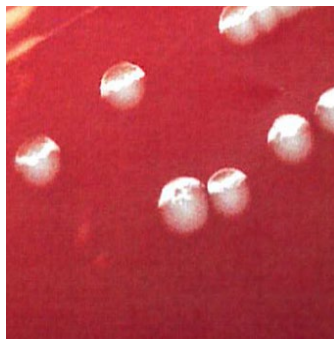
**Lot: 70056282**

**Manufacturing Date: 13OCT2022**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Motility (wet mount) VITEK® GN	Gram-negative rods Report results  Report results <i>Escherichia coli</i>	Gram-negative rods Circular, convex, entire, smooth and gray (Figure 1) Motile <i>Escherichia coli</i> (98%)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (1480 base pairs)	≥ 99% sequence identity with <i>E. coli</i> type strain (GenBank: JMST01000030.1)	99.9% sequence identity with <i>E. coli</i> type strain (GenBank: JMST01000030.1) <sup>1</sup>
<b>Purity</b> 7 days at 37°C in an aerobic atmosphere with and without 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood	Consistent with expected colony morphology	Consistent with expected colony morphology
<b>Viability</b>	Growth	Growth

<sup>1</sup>Also consistent with *Shigella* species

**Figure 1: Colony Morphology**



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Technical Manager or designee, ATCC Federal Solutions

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