

**Escherichia coli, Strain TW07793**

**Catalog No. NR-17639**

**Product Description:** *Escherichia coli* (*E. coli*), strain TW07793 (serotype O157:H39) was isolated from water; it is referred to as a non-Shiga toxin-producing *E. coli* (STEC) O157 strain.

**Lot<sup>1</sup>: 63325991**

**Manufacturing Date: 13FEB2015**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Motility (wet mount) VITEK <sup>®</sup> MS (MALDI-TOF)	Gram-negative rods Report results  Report results Consistent with <i>E. coli</i>	Gram-negative rods Circular, convex, entire, smooth and cream (Figure 1) Motile Consistent with <i>E. coli</i>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1490 base pairs)	Consistent with <i>E. coli</i>	Consistent with <i>E. coli</i> <sup>3,4</sup>
<b>PCR Assay of Extracted DNA</b> 16S ribosomal RNA gene PCR amplification of chromosomal borne virulence markers <i>stx1</i> <i>stx2</i>	~ 1500 base pair amplicon  Negative Negative	~ 1500 base pair amplicon  Negative Negative
<b>Purity (post-freeze)<sup>5</sup></b>	Growth consistent with <i>E. coli</i>	Growth consistent with <i>E. coli</i>
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>The deposited material was inoculated into Tryptic soy broth and grown 24 hours at 37°C in an aerobic atmosphere, and the resulting subculture was vialled and frozen. NR-17639 was produced by inoculation of the frozen subculture into Tryptic soy broth and grown 24 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to kolles which were grown 23 hours at 37°C and aerobic atmosphere to produce this lot.

<sup>2</sup>21 hours at 37°C in an aerobic atmosphere on Tryptic Soy agar

<sup>3</sup>≥ 99.7% identical to GenBank: AFAG02000002.1 (*E. coli*, strain TW07793)

<sup>4</sup>Also consistent with *Shigella* species

<sup>5</sup>Purity of this lot was assessed for 7 days on Tryptic soy agar under propagation condition

**Figure 1**



**Date:** 25 JUN 2015

**Signature:**

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