

**Escherichia coli, Strain KTE181**

**Catalog No. NR-32771**

**Product Description:** *Escherichia coli* (*E. coli*), strain KTE181 was isolated in 2009 from a human subject.

**Lot<sup>1</sup>: 63568106**

**Manufacturing Date: 25JUN2015**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphologies <sup>2,3</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 Colony type 1: Circular, convex, entire, smooth and cream (Figure 1a) Colony type 2: Circular, low convex, entire, smooth, translucent and cream (Figure 1b) Motile Consistent with <i>E. coli</i> <sup>4</sup>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs) Riboprinter <sup>®</sup> Microbial Characterization System	Consistent with <i>E. coli</i> Consistent with <i>E. coli</i>	Consistent with <i>E. coli</i> <sup>5</sup> Consistent with <i>E. coli</i> <sup>6</sup>
<b>Purity (post-freeze)<sup>7</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>NR-32771 was produced by inoculation of the deposited material into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot.

<sup>2</sup>1 day on Tryptic Soy agar under propagation conditions

<sup>3</sup>Two colony types were observed. Plating of the individual colony types showed that they did not revert to the mixed colony type. The 16S ribosomal RNA gene of each colony type was sequenced and found to be consistent with the other colony type and ≥ 99.1% identical to *E. coli*, strain KTE181 (GenBank: ANTC0100042.1).

<sup>4</sup>VITEK<sup>®</sup> MS (MALDI-TOF) analysis identified cells from both colony types as *E. coli*.

<sup>5</sup>Also consistent with *Shigella* species.

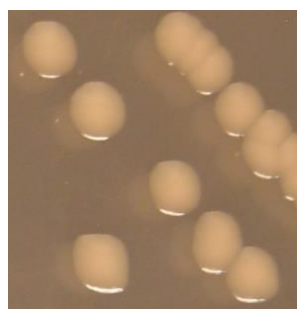
<sup>6</sup>Riboprinter<sup>®</sup> Microbial Characterization System was performed with a sample that contained both colony types.

<sup>7</sup>Purity of this lot was assessed for 7 days on Tryptic Soy agar under propagation conditions.

**Figure 1a: Colony Morphology – Colony Type 1**



**Figure 1b: Colony Morphology – Colony Type 2**



Date: 07 OCT 2015

Signature:



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