

***Escherichia coli* – *Staphylococcus aureus* Shuttle Vector pKK30, Recombinant in *Escherichia coli***

**Catalog No. NR-50349**

**Product Description:** NR-50349 is a preserved culture of *Escherichia coli* (*E. coli*) DH5αλpir containing the *E. coli*-staphylococcal shuttle vector pKK30. Vector pKK30 contains the *E. coli* R6Kγ origin of replication and is for use in *Staphylococcus* spp. strains that do not contain LAC-p01. Vector pKK30 contains a single trimethoprim resistance cassette that is functional in both *E. coli* and *Staphylococcus* spp.

**Lot<sup>1</sup>: 2093**

**Manufacturing Date: 27OCT2016**

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 <i>E. coli</i> (99.9%)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 870 base pairs) Riboprinter <sup>®</sup> Microbial Characterization System	≥ 99% sequence identity to <i>E. coli</i> DH5α (GenBank: JRBB01000068) ≥ 85% <i>E. coli</i>	99.9% sequence identity to <i>E. coli</i> DH5α (GenBank: JRBB01000068) <sup>3</sup> 96% <i>E. coli</i>
<b>Confirmation of Trimethoprim Resistance<sup>2</sup></b>	Growth	Growth
<b>Purity (post-freeze)<sup>4</sup></b>	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>NR-50349 was produced by inoculation of the deposited material in Tryptic Soy broth with 10 µg/mL trimethoprim and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 10 µg/mL trimethoprim kolles for 1 day at 37°C in an aerobic atmosphere to produce this lot.

<sup>2</sup>1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 10 µg/mL trimethoprim

<sup>3</sup>Also 99.9% sequence identity to some *Shigella flexneri* strains

<sup>4</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood

**Figure 1: Colony Morphology**



**Date:** 04 JAN 2017

**Signature:** 

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