

Escherichia coli, Strain Ec2424

Catalog No. NR-51340

Product Description: *Escherichia coli* (*E. coli*), strain Ec2424, was isolated from the bloodstream of a patient with septicemia. *E. coli*, strain Ec2424 is a host bacterium for phi05_1999M and phi05_1999B, both temperate phages.

Lot¹: 70017420

Manufacturing Date: 25JUL2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Motility (wet mount) VITEK [®] MS (MALDI-TOF)	Gram-negative rods Report results Report results <i>E. coli</i>	Gram-negative rods Circular, low convex, entire, smooth and cream (Figure 1) Motile <i>E. coli</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity with <i>E. coli</i> type strain (GenBank: JMST01000030.1)	99.6% sequence identity with <i>E. coli</i> type strain (GenBank: JMST01000030.1) ³
Purity (post-freeze)⁴	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

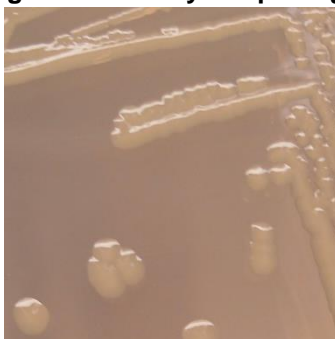
¹NR-51340 was produced by inoculation of BEI Resources HMC-658 lot 59773827 into Tryptic Soy broth and grown 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles which were grown 1 day at 37°C in an aerobic atmosphere to produce this lot.

²1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar

³Also consistent with *Shigella* and other *Escherichia* species

⁴Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar.

Figure 1: Colony Morphology



/Heather Couch/
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