

***Pseudomonas aeruginosa*, Strain EnvKY1**

Catalog No. NR-51329

Product Description: *Pseudomonas aeruginosa* (*P. aeruginosa*), strain EnvKY1 was isolated from a soil sample taken from a farm in Maysville, Kentucky, USA.

Lot¹: 70016586

Manufacturing Date: 20JUN2018

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>P. aeruginosa</i>	Gram-negative rods Circular, low convex, entire, opaque and cream (Figure 1) Motile <i>P. aeruginosa</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	≥ 99% sequence identity to <i>P. aeruginosa</i> , strain EnvKY1 (GenBank: NKXZ01000054.1)	100% sequence identity to <i>P. aeruginosa</i> , strain EnvKY1 (GenBank: NKXZ01000054.1)
Purity (post-freeze)³	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

¹NR-51329 was produced by inoculation of BEI Resources HMC-592 lot 59644644 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.

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

³Purity of this lot was assessed for 7 days on Tryptic Soy agar at 37°C in an aerobic atmosphere with 5% CO₂

Figure 1: Colony Morphology



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