

***Pseudomonas aeruginosa*, Strain Shr42**

Catalog No. NR-48982

Product Description: *Pseudomonas aeruginosa* (*P. aeruginosa*), strain Shr42 was isolated from a human subject.

Lot¹: 70007861

Manufacturing Date: 02AUG2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphologies ^{2,3} Motility (wet mount) VITEK [®] MS (MALDI-TOF)	Gram-negative rods Report results Report results <i>P. aeruginosa</i>	Gram-negative rods Colony type 1: Irregular, flat, undulate, translucent and gray (Figure 1) Colony type 2: Circular, convex, entire, smooth and gray (Figure 1) Motile <i>P. aeruginosa</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 750 base pairs)	≥ 99% sequence identity to <i>P. aeruginosa</i> type strain (GenBank: HE978271.1)	100% sequence identity to <i>P. aeruginosa</i> type strain (GenBank: HE978271.1)
Purity (post-freeze)⁴	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

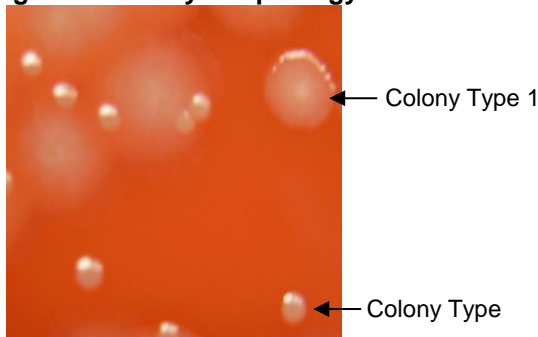
¹NR-48982 lot 70007861 was produced by inoculation of BEI Resources NRS-48982 lot 63083626 into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown 1 day at 37°C in an aerobic atmosphere to produce this lot.

²1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

³Two colony types were observed and are consistent with the colony types observed in the previous lot. Plating of the individual colony types showed that they did not revert to the mixed colony type. VITEK[®] MS (MALDI-TOF) analysis identified the cells from both colony types as *P. aeruginosa*. The 16S ribosomal RNA gene of each colony type was sequenced and found to have 100% sequence identity to the other colony type and to the *P. aeruginosa* type strain (GenBank: HE978271.1).

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

Figure 1: Colony Morphology



Date: 31 AUG 2017

Signature:



BEI Resources Authentication

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