

***Pseudomonas aeruginosa*, Strain Shr42**

**Catalog No. NR-48982**

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

**Lot<sup>1</sup>: 70008333**

**Manufacturing Date: 30AUG2017**

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 <i>P. aeruginosa</i>	Gram-negative rods Colony type 1: Irregular, flat, lobate, smooth and gray (Figure 1) Colony type 2: Circular, convex, entire, smooth and gray (Figure 1) Motile <i>P. aeruginosa</i> (99.9%)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 790 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)
<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

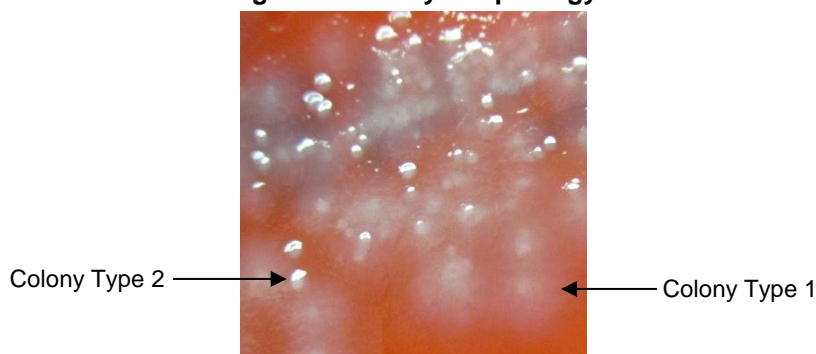
<sup>1</sup>NR-48982 lot 70008333 was produced by inoculation of BEI Resources NRS-48982 lot 63083626 into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown 1 day at 37°C in an aerobic atmosphere to produce this lot.

<sup>2</sup>1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>3</sup>Two 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<sup>®</sup> 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).

<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:** 19 JAN 2018

**Signature:**



BEI Resources Authentication

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.  
You are authorized to use this product for research use only. It is not intended for human use.

