

***Klebsiella pneumoniae*, Strain 160_1080**

Catalog No. NR-44349

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Product Description:

Klebsiella pneumoniae (*K. pneumoniae*), strain 160_1080 was isolated in 2012 from the blood of a patient with sepsis in Cleveland, Ohio, USA. NR-44349 lot 70049550 was produced by inoculation of the BEI Resources seed lot 64184811 into Tryptic Soy broth and grown 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 for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70049550

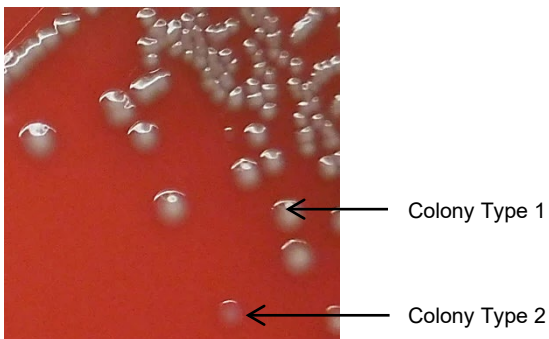
Manufacturing Date: 06JAN2022

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ¹ Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-negative rods Report results Report results <i>K. pneumoniae</i>	Gram-negative rods Colony type 1: Circular, convex, entire, smooth and gray (Figure 1) Colony type 2: Circular, low convex, entire, smooth and translucent (Figure 1) Non-motile <i>K. pneumoniae</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to <i>K. pneumoniae</i> , strain 160_1080 (GenBank: ARSN01000125.1)	99.5% sequence identity to <i>K. pneumoniae</i> , strain 160_1080 (GenBank: ARSN01000125.1)
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze) 1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹Two colony types were observed. Plating of the individual colony types showed that they did not revert to the mixed colony type. VITEK® MS (MALDI-TOF) analysis identified cells from both colony types as *K. pneumoniae*.

Figure 1: Colony Morphology



/Heather Couch/
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Program Manager or designee, ATCC Federal Solutions

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