

***Klebsiella pneumoniae*, Strain BIDMC 7B**

**Catalog No. NR-41923**

**Product Description:**

*Klebsiella pneumoniae* (*K. pneumoniae*), strain BIDMC 7B was isolated in 2012 from urine in Boston, Massachusetts, USA. NR-41923 was produced by inoculation of BEI Resources seed lot 62907102 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.

**Lot: 70061545**

**Manufacturing Date: 23JUN2023**

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| TEST  | SPECIFICATIONS  | RESULTS  |
|---|---|--|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>Colony morphology<br><br>Motility (wet mount)<br>VITEK® 2 MS (MALDI-TOF)   | Gram-negative rods<br>Report results<br><br>Report results<br><i>K. pneumoniae</i>              | Gram-negative rods<br>Circular, convex, entire, smooth<br>mucoid and gray (Figure 1)<br>Non-motile<br><i>K. pneumoniae</i> (99%) |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene<br>(~ 1470 base pairs)  | ≥ 99% sequence identity to<br><i>K. pneumoniae</i> , strain BIDMC 7B<br>GenBank: JCN01000008.1) | 99.5% sequence identity to<br><i>K. pneumoniae</i> , strain BIDMC 7B<br>(GenBank: JCN01000008.1)                                 |
| <b>Purity (post-freeze)</b><br>9 days at 37°C in an aerobic atmosphere with<br>and without 5% CO <sub>2</sub> on Tryptic Soy agar with<br>5% defibrinated sheep blood | Growth consistent with expected<br>colony morphology  | Growth consistent with expected<br>colony morphology   |
| <b>Viability (post-freeze)</b>  | Growth  | Growth   |

**Figure 1: Colony Morphology**



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12 SEP 2023

Technical Manager or designee, ATCC Federal Solutions

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