

***Klebsiella pneumoniae*, Strain BIDMC 2A**

Catalog No. NR-41916

Product Description:

Klebsiella pneumoniae (*K. pneumoniae*), strain BIDMC 2A was isolated in 2010 from a human blood culture in Boston, Massachusetts, USA. NR-41916 was produced by inoculation of BEI Resources seed lot 62907101 into Nutrient broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Nutrient agar 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: 70065861

Manufacturing Date: 24JAN2024

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| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount) VITEK® MS (MALDI-TOF) | Gram-negative rods Report results Report results <i>K. pneumoniae</i> | Gram-negative rods Circular, convex, entire, smooth and cream (Figure 1) Non-motile <i>K. pneumoniae</i> (99.9%) |
| Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1440 base pairs) | ≥ 99% sequence identity to <i>K. pneumoniae</i> , strain BIDMC 2A GenBank: JCNJ01000004.1) | 99.5% sequence identity to <i>K. pneumoniae</i> , strain BIDMC 2A (GenBank: JCNJ01000001.1) |
| Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Nutrient agar | Growth consistent with expected colony morphology | Growth consistent with expected colony morphology |
| Viability (post-freeze) | Growth | Growth |

Figure 1: Colony Morphology



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