**Klebsiella pneumoniae, Strain DMC0526**

**Catalog No. NR-44350**

For research use only. Not for human use.

**Contributor:**
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**Manufacturer:**
BEI Resources

**Product Description:**

- **Bacteria Classification:** Enterobacteriaceae, Klebsiella
- **Species:** Klebsiella pneumoniae
- **Strain:** DMC0526
- **Original Source:** Klebsiella pneumoniae (K. pneumoniae), strain DMC0526 was isolated in 2010 from blood of a patient with sepsis in Detroit, Michigan, USA.¹
- **Comments:** K. pneumoniae, strain DMC0526 is part of the Genome Sequencing Centers for Infectious Diseases contract (GenBank: ARPO00000000).

K. pneumoniae is a Gram-negative enterobacterium that is a major cause of nosocomial infections of the urinary and respiratory tracts.² Due to the extensive spread of antibiotic-resistant strains, especially of extended-spectrum β-lactamase (ESBL)-producing strains, there has been renewed interest in Klebsiella infections.²

**Material Provided:**
Each vial contains approximately 0.5 mL of bacterial culture in Tryptic Soy broth supplemented with 10% glycerol.

**Note:** If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**
NR-44350 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Growth Conditions:**

- **Media:**
  - Tryptic Soy broth or Nutrient broth or equivalent
  - Tryptic Soy agar or Tryptic Soy agar with 5% sheep blood or
    - Nutrient agar or equivalent
- **Incubation:**
  - Temperature: 37°C
  - Atmosphere: Aerobic with 5% CO₂
- **Propagation:**
  1. Keep vial frozen until ready for use, then thaw.
  2. Transfer the entire thawed aliquot into a single tube of broth.
  3. Use several drops of the suspension to inoculate an agar slant and/or plate.
  4. Incubate the tube, slant and/or plate at 37°C for 24 hours.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Klebsiella pneumoniae, Strain DMC0526, NR-44350.”

**Biosafety Level:** 2


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