**Klebsiella pneumoniae, Strain BIDMC 12A**

**Catalog No. NR-41928**

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: BIDMC 12A

**Original Source:** Klebsiella pneumoniae (K. pneumoniae), strain BIDMC 12A was isolated in 2012 from human sputum in Boston, Massachusetts, USA.

**Comments:** *K. pneumoniae*, strain BIDMC 12A was deposited as a carbapenem-resistant strain and is part of a Carbapenem-Resistant Enterobacteriaceae (CRE) Sequencing Project at the Broad Institute.2 Strain BIDMC 12A was deposited as resistant to ampicillin/sulbactam, ceftazidime, meropenem and trimethoprim/sulfamethoxazole, positive for *bla*<sub>S</sub>TEM-1, *bla*<sub>S</sub>IPC-3, and *bla*<sub>M</sub>KPC-2. The complete genome of *K. pneumoniae*, strain BIDMC 12A has been sequenced (GenBank: JCN000000000).

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

**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-41928 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% defibrinated sheep blood or Nutrient agar or equivalent

**Incubation:**
Temperature: 37°C
Atmosphere: Aerobic

**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 1 day.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Klebsiella pneumoniae, Strain BIDMC 12A, NR-41928.”

**Biosafety Level:** 2

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References:
1. Onderdonk, A. B., Personal Communication.

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