Klebsiella pneumoniae, Strain BIDMC 10

Catalog No. NR-41926

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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: Enterobacteriaceae, Klebsiella
Species: Klebsiella pneumoniae
Strain: BIDMC 10
Original Source: Klebsiella pneumonia (K. pneumoniae), strain BIDMC 10 was isolated in 2009 from a human foot culture in Boston, Massachusetts, USA.1,2
Comments: K. pneumoniae, strain BIDMC 10 was deposited as a carbapenem-resistant strain and is part of a Carbenem-Resistant Enterobacteriaceae (CRE) Sequencing Project at the Broad Institute.1,2 Strain BIDMC 10 was deposited as resistant to cefpirome, ceftazidime, ceftriaxone and meropenem, positive for blatem-1, MLST sequence type (ST) 258 and capsular polysaccharide (cps) clade II.1,2 The complete genome of K. pneumoniae, strain BIDMC 10 has been sequenced (GenBank: JNVG00000000).

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 of extended-spectrum β-lactamase (ESBL)-producing strains, there has been renewed interest in Klebsiella infections.3

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-41926 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 10, NR-41926."

Biosafety Level: 2

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

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