Klebsiella pneumoniae, Strain BIDMC 13

Catalog No. NR-41931

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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: Enterobacteriaceae, Klebsiella
Species: Klebsiella pneumoniae
Strain: BIDMC 13
Original Source: Klebsiella pneumoniae (K. pneumoniae), strain BIDMC 13 was isolated in 2009 from human blood in Boston, Massachusetts, USA.¹
Comments: The complete genome of K. pneumoniae, strain BIDMC 13 has been sequenced (GenBank: JCNCO0000000).

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.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-41931 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 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 BIDMC 13, NR-41931.”

Biosafety Level: 2

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

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