Acinetobacter baumannii, Strain 1074318

Catalog No. NR-56556

For research use only. Not for use in humans.

Contributor and Manufacturer:
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Product Description:
Bacteria Classification: Moraxellaceae, Acinetobacter
Species: Acinetobacter baumannii
Strain: 1074318
Original Source: Acinetobacter baumannii (A. baumannii), strain 1074318 was isolated in 2014 from an abscess sample of a 57-year-old male in Spain.
Comments: A. baumannii, strain 1074318 was deposited as part of the Global Priority Superbugs Collection. NR-56556 was deposited as resistant to cefepime, ceftazidime, ceftriaxone, ciprofloxacin, doripenem, imipenem, levofloxacin, meropenem, piperacillin/tazobactam and tetracycline.

A. baumannii is an aerobic, Gram-negative coccobacillus that exhibits the ability to rapidly develop antibiotic resistance and is a major cause of hospital-acquired infection.1 The genomes of multidrug resistant strains of A. baumannii contain resistance "islands" that can contain up to 45 resistance genes. Acquisition of these antibiotic resistance genes occurs through genetic exchange of plasmids, transposons and integrons with Pseudomonas, Salmonella and Escherichia species.2,3

Material Provided:
Each vial contains approximately 0.3 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-56556 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:
Nutrient broth or Tryptic Soy broth or equivalent
Nutrient agar or Tryptic Soy agar or Tryptic Soy agar with 5% defibrinated sheep blood 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: Acinetobacter baumannii, Strain 1074318, NR-56556."

Biosafety Level: 2

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References:

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