Acinetobacter baumannii, Isolate 3

Catalog No. NR-13376

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Contributor:
NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

Product Description:
Bacteria Classification: Moraxellaceae, Acinetobacter
Species: Acinetobacter baumannii
Original Source: Acinetobacter baumannii (A. baumannii), isolate 3 was obtained from human sputum (induced) in 2008.

A. baumannii is a Gram-negative bacterium that exhibits the ability to rapidly develop antibiotic resistance and is a major cause of hospital acquired infection. 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.1,2

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in 0.5X 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-13376 was packaged aseptically, in screw-capped plastic 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 equivalent
Tryptic Soy Agar or equivalent
Incubation:
Temperature: 35 to 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 tubes and plate at 37°C for 24 hours.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Acinetobacter baumannii, Isolate 3, NR-13376.”

Biosafety Level: 2

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References:

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