**Acinetobacter baumannii, Strain Naval-81**

**Catalog No. NR-17786**

For research use only. Not for human use.

**Contributor:**
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**Manufacturer:**
BEI Resources

**Product Description:**

**Bacteria Classification:** Moraxellaceae, Acinetobacter

**Genus:** Acinetobacter baumannii

**Strain:** Naval-81

**Original Source:** Acinetobacter baumannii (A. baumannii), strain Naval-81 was isolated on October 9, 2006, from human blood at the National Naval Medical Center in Bethesda, Maryland, USA.

**Comments:** A. baumannii, strain Naval-81 is part of the “Genomic Sequencing of a Diversity of U.S. Military Acinetobacter baumannii-calcoaceticus Complex Isolates” project to sequence the genomes of clinical and environmental isolates of medically relevant Acinetobacter spp. The complete genome sequence of A. baumannii, strain Naval-81 is available (GenBank: AFDB00000000).

**A. baumannii** is an aerobic, Gram-negative bacillus 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.

**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-17786 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, Nutrient broth, Brain Heart Infusion broth or equivalent

Tryptic Soy agar, Tryptic Soy agar with 5% defibrinated sheep blood, 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 for 1 day.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Acinetobacter baumannii, Strain Naval-81, NR-17786."

**Biosafety Level:** 2


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References:

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