**Acinetobacter baumannii, Strain 177579**

**Catalog No. NR-56574**

For research use only. Not for use in humans.

**Contributor and Manufacturer:**
ATCC®

**Product Description:**
- **Bacteria Classification:** Moraxellaceae, Acinetobacter
- **Species:** Acinetobacter baumannii
- **Strain:** 177579
- **Original Source:** Acinetobacter baumannii (A. baumannii), strain 177579 was isolated in 2006 from a blood sample of an 84-year-old male in France.
- **Comments:** A. baumannii, strain 177579 was deposited as part of the Global Priority Superbugs Collection. NR-56574 was deposited as resistant to amikacin, cefepime, ceftazidime, ceftriaxone, doripenem, imipenem, meropenem, piperacillin/tazobactam and tetracycline.

**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.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.²³

**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-56574 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 1-2 days.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Acinetobacter baumannii, Strain 177579, NR-56574.”

**Biosafety Level:** 2

**Disclaimers:**
You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org).

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

**Use Restrictions:**
This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale. This material may be subject to third party patent rights.

**References:**


ATCC® is a trademark of the American Type Culture Collection.