**Acinetobacter baumannii, Strain 1089072**

**Catalog No. NR-56559**

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: 1089072
Original Source: *Acinetobacter baumannii* (A. baumannii), strain 1089072 was isolated in 2014 from the ulcer sample of a 33-year-old male in Greece.
Comments: *A. baumannii*, strain 1089072 was deposited as part of the Global Priority Superbugs Collection. NR-56559 was deposited as resistant to amikacin, cefepime, ceftazidime, ceftriaxone, ciprofloxacin, colistin, doripenem, imipenem, levofloxacin, 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.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-56559 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 1089072, NR-56559.”

**Biosafety Level:** 2

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References:

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