**Pseudomonas aeruginosa, Strain 1100156**

**Catalog No. NR-56654**

For research use only. Not for use in humans.

**Contributor and Manufacturer:**
ATCC®

**Product Description:**

- **Bacteria Classification:** Pseudomonadaceae, Pseudomonas
- **Species:** Pseudomonas aeruginosa
- **Strain:** 1100156
- **Original Source:** Pseudomonas aeruginosa (P. aeruginosa), strain 1100156 was isolated in 2014 from a sputum sample of a 34-year-old female in Italy.
- **Comments:** P. aeruginosa, strain 1100156 was deposited as part of the Global Priority Superbugs Collection. NR-56654 was deposited as resistant to amikacin, cefepime, ceftazidime, ceftazidime/avibactam, ciprofloxacin, doripenem, imipenem, levofloxacin, meropenem and piperacillin/tazobactam.

**P. aeruginosa** is a Gram-negative, aerobic, rod-shaped bacterium with unipolar motility that thrives in many diverse environments including soil, water and certain eukaryotic hosts. It is a key emerging opportunistic pathogen in animals, including humans and plants. While it rarely infects healthy individuals, **P. aeruginosa** causes severe acute and chronic nosocomial infections in immunocompromised or catheterized patients, especially in patients with cystic fibrosis, burns, cancer or HIV. Infections of this type are often highly antibiotic resistant, difficult to eradicate and often lead to death. The ability of **P. aeruginosa** to survive on minimal nutritional requirements, tolerate a variety of physical conditions and rapidly develop resistance during the course of therapy has allowed it to persist in both community and hospital settings.

**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-56654 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.

**Propagating:**

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.

**Incubation:**

- Temperature: 37°C
- Atmosphere: Aerobic

**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 to use this product.

**Acknowledgment for publications should read: “The following reagent was obtained through BEI Resources, NIAID, NIH: Pseudomonas aeruginosa, Strain 1100156, NR-56654.”**

**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.

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.

**Citation:**

- Strain: 1100156, NR-56654.
- MTA is available on our Web site at www.beiresources.org.

**Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication:**

**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 to use this product.
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.