Product Information Sheet for NR-50126

Pseudomonas sp., Strain Ag1

Catalog No. NR-50126

For research use only. Not for human use.

Contributor:
Jiannong Xu, Ph.D., Associate Professor, Biology Department, New Mexico State University, Las Cruces, New Mexico, USA

Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: *Pseudomonadaceae*, *Pseudomonas*
Genus: *Pseudomonas*
Strain: Ag1
Original Source: *Pseudomonas* sp., strain Ag1 was isolated in 2012 from the midgut of *Anopheles gambiae*, strain G3, a lab strain used for malaria research in Las Cruces, New Mexico, USA.[1,2]
Comment: The whole genome shotgun sequence of *Pseudomonas* sp., strain Ag1 is available (GenBank: AKVH00000000).[2]

Pseudomonas species are Gram-negative, aerobic, motile, rod-shaped, free-living bacteria that are common inhabitants of soil, water, and vegetation. Many *Pseudomonas* species represent opportunistic pathogens to humans, animals, or plants.[3,4]

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-50126 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:
Tryptic Soy broth or Brain Heart Infusion broth or Nutrient broth or equivalent
Tryptic Soy agar with 5% defibrinated sheep blood or Brain Heart Infusion agar or Nutrient agar or equivalent
Incubation:
Temperature: 30°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 30°C for 1 day.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Pseudomonas* sp., Strain Ag1, NR-50126."

Biosafety Level: 2
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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.

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:

1. Xu, J., Personal Communication.
2. Alvarez, C., et al. "Draft Genome Sequence of *Pseudomonas* sp. Strain Ag1, Isolated from the Midgut of the Malaria Mosquito *Anopheles gambiae*." J. Bacteriol. 194 (2012): 5449. PubMed: 22965079.
3. Stanier, R. Y., N. J. Palleroni and M. Doudoroff. "The Aerobic *Pseudomonads*: A Taxonomic Study." J. Gen. Microbiol. 43 (1966): 159-271. PubMed: 5963505.
4. Silby, M. W., et al. "*Pseudomonas* Genomes: Diverse and Adaptable." FEMS Microbiol. Rev. 35 (2011): 652-680. PubMed: 21361996.

Support Provided by NIAID

BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898