



Pseudomonas aeruginosa (Schroeter) Migula

27853-MINI-PACK™

Description

ATCC 27853-MINI-PACK consists of 6 ready-to-use vials of ATCC 27853 frozen in 200 µL of glycerol stock, eliminating the need to rehydrate and culture the strain prior to use. Each vial is provided with a 2-D barcode for easy storage and tracking, as well as peel-off labels for fast and reliable recordkeeping.

Strain designation: Boston 41501

Deposited As: *Pseudomonas aeruginosa* (Schroeter) Migula

Type strain: No

Shipping information: 6 ready-to-use vials containing the strain in glycerol stock

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to

***Pseudomonas aeruginosa* (Schroeter) Migula**

27853-MINI-PACK

understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Medium:

ATCC Medium 18: Trypticase Soy Agar/Broth

Temperature: 37°C

Atmosphere: Aerobic

Handling Procedures

Frozen mini-cryovials packed in dry ice should either be thawed immediately for use

Pseudomonas aeruginosa (Schroeter) Migula

27853-MINI-PACK

or stored at or below

-70°C until the expiration date printed on the label. Storage at -20°C is acceptable for up to 1 year.

1. Open thawed vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #18 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.
3. Use several drops of the primary broth tube to inoculate a #18 plate and/or #18 agar slant.
4. Incubate at 37°C for 18-24 hours.

Notes

Two colony types may be observed. They have been individually characterized and found to be identical. To prevent the proliferation of the second colony type, avoid passing this strain through broth for transfers. It is recommended to wash a slant with phosphate buffer and use that to inoculate further agar plates and/or agar flasks if needed.

To perform antibiotic susceptibility testing, open a vial to be tested into ATCC Medium #5548 broth and plates. Incubate for 18-24 hours at 37°C. Perform a subculture using ATCC Medium #5548 agar growth onto ATCC Medium #18 agar and incubate at 37°C for 18-24 hours. After the growth period on ATCC Medium #18 has concluded, antibiotic testing can be done. Note: If an antibiotic needs to be repeated, a subculture cannot be done due to possible rapid mutations of ATCC 27853. A new vial will need to be opened and the process repeated.

Purified genomic DNA (ATCC 27853D-5) and a Certified Reference Material (ATCC CRM-27853) of this strain are available.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Pseudomonas aeruginosa* (Schroeter) Migula (ATCC 27853-MINI-PACK)

References

References and other information relating to this material are available at www.atcc.org.

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Revision

***Pseudomonas aeruginosa* (Schroeter) Migula**

27853-MINI-PACK

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