Comamonas denitrificans Gumaelius et al.

700939™

Description

Strain designation: P17
Deposited As: *Comamonas denitrificans* Gumaelius et al.
Type strain: No

Storage Conditions

Product format: Freeze-dried

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 1

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 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 3: Nutrient agar or nutrient broth
Temperature: 30°C
Atmosphere: Aerobic

Handling Procedures

1. Open vial according to enclosed instructions.

2. From a single tube of #3 broth (5 to 6 ml), withdraw approximately 0.6 to 1.0 ml with a Pasteur or 1.0 ml pipette and use to rehydrate the pellet.

3. Use 0.5ml of this suspension to inoculate a #3 slant and 0.1ml to inoculate #3 plates.

4. Incubate tubes and plates at 30ºC, under aerobic conditions, for 48 hours.

5. After 48 hours of incubation, wash cells from the slant and transfer this broth to a new slant and plate. Incubate another 48 hours under aerobic conditions. This second transfer and incubation is necessary for complete removal of the cryoprotectant, which can inhibit growth.

Notes

Growth on agar yields smooth colonies, 1-1.5 mm diameter with irregular margins and a translucent intrastructure. Colonies produce a diffusible, brown (melanin) pigmentation. Cells are motile, curved bacilli.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Comamonas denitrificans* Gumaelius et al. (ATCC 700939)

References

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

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Revision

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