Rhodopseudomonas palustris (Molisch) van Niel

BAA-37™

Description

Strain designation: JA1
Deposited As: *Rhodopseudomonas palustris* (Molisch) van Niel
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 112: Van Niel's yeast agar
Temperature: 30°C
Atmosphere: Anaerobic
Incubation: Under light

Handling Procedures

A. Aerobic growth on agar:

1. Open vial according to the enclosed instructions.

2. Using a single tube of #18 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the pellet.

3. Aseptically transfer this aliquot back into the broth tube. Mix well.

4. Use several drops of the suspension to inoculate a #18 agar slants and plates.

5. Incubate the tubes and plates at 30ºC for 3 to 6 days.

B. Anaerobic under a tungsten lamp.

1. Put 6 to 8 ml of ATCC Medium #112 into a 13x100 mm screw cap test tube (small). Add 3.0 % cysteine (stock concentration, 0.1 ml cysteine for each 5-6 ml of medium) and then fill the test tube to capacity with additional #112. Seal the test tube with a screw cap.

2. Let the tube sit at room temperature for 30 minutes before inoculating.

3. Open the freezedried vial according to enclosed instructions.

4. Aseptically take 0.5 ml of the pre-reduced medium and rehydrate the pellet.

5. Transfer the rehydrated pellet back into the screw cap test tube and close tightly. (The test tube should be filled to capacity). Incubate the culture at 30ºC under a tungsten lamp.

Notes

Best results where obtained when the culture was first

grown aerobically and then transferred to broth under anaerobic conditions. Under aerobic conditions growth can be detected within 72 to 96 hours. Colonies are small, clear, round, and entire. The cells are short rods in singles and pairs that are very motile.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Rhodopseudomonas palustris* (Molisch) van Niel (ATCC BAA-37)

References

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

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