Rhodopseudomonas palustris (Molisch) van Niel

17001™

Description

Type Strain. Produces neuraminidase sialidase.
Strain designation: ATH 2.1.6 [ATCC 11168, E.II.5.1.6, NCIB 11692, NCIB 8252, NCIB 8288, Pal 6]
Deposited As: *Rhodopseudomonas palustris* (Molisch) van Niel
Type strain: Yes

Storage Conditions

Product format: Freeze-dried
Storage conditions: 2°C to 8°C

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 a tungsten lamp

Handling Procedures

1. Put 6 to 8 mL of Medium #112 into a small screw cap test tube (13x100 mm). Add 0.1 mL of 3% cysteine per each 5-6 mL of medium and then fill the test tube to capacity with additional Medium #112. Seal the test tube with a screw

cap.

2. Let the tube sit at room temperature for 30 minutes before inoculating it with the rehydrated culture.
3. Open the freeze-dried 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). Streak one drop of the rehydrated pellet onto Nutrient Agar (BD 213000) and/or Tryptic Soy Agar (BD 236950).
6. Incubate the broth culture at 30°C under a tungsten lamp. Incubate the aerobic Nutrient Agar plate and/or Tryptic Soy Agar plate at 30°C in the dark.
7. Once growth has been established (three to six days), the culture should be transferred to fresh broth. If a large inoculum is used (10-20%) the medium does not need to be pre-reduced. Growth should be detected on the Nutrient Agar plate and/or Tryptic Soy Agar plate within 3 to 6 days.
8. When examined microscopically, the cells are motile rods, in single and pairs. When grown in broth, the culture is pink in color.

Notes

Colonies on #3 agar appear small, circular, entire, and low convex with a light pink center.

This organism should be incubated in a light filled environment.

This culture is oxygen-tolerant, therefore strictly anoxic conditions are not required when rehydrating the freeze-dried pellet or transferring the organism.

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: *Rhodopseudomonas palustris* (Molisch) van Niel (ATCC 17001)

References

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

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