ATCC

Product Sheet

Rhodopseudomonas palustris (ATCC® BAA-98™)

Please read this FIRST

Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section

Biosafety Level
1

Intended Use

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

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Rhodopseudomonas palustris* (ATCC® BAA-98™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: CGA009
Deposited Name: *Rhodopseudomonas palustris* (Molisch) van Niel
Product Description: Chloramphenicol-resistant. The genome of this organism has been sequenced.

Propagation

Medium
ATCC® Medium 18: Trypticase Soy Agar/Broth
ATCC® Medium 112: Van Niel's yeast agar

Growth Conditions
Temperature: 30°C
Atmosphere: Aerobically in the dark or anaerobically under a tungsten lamp

Propagation Procedure

A. Growth under aerobic conditions:
   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 entire 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 slant and plate(s).
   5. Incubate the tubes and plate at 30°C for 3 to 6 days.

B. Growth under anaerobic conditions.
   1. Put 6 to 8 mL of ATCC Medium #112 into a 13 x 100 mm screw cap test tube (small). Add 3.0 % cysteine (stock concentration, 0.1 mL per each 5 to 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 freezedried vial according to enclosed instructions.
   4. Aseptically take 0.5 mL of the pre-reduced medium and rehydrate the entire pellet.
   5. Transfer the rehydrated pellet back into the screw cap test tube and close tightly. (The test tube should be filled to capacity).
   6. Incubate the culture at 26°C under a tungsten lamp.
   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% to 20%) the medium does not need to be pre-reduced.

Notes

Cells are often irregular-shaped, motile rods with one end larger than the other.
Colonies are very small, slightly raised, entire and clear. Where growth is heavy the culture exhibits red pigmentation.
Best results were obtained when the culture was first grown aerobically, and the aerobic culture was then used to inoculate an anaerobic culture.
This culture is tolerant to oxygen therefore strictly anoxic conditions are not required when rehydrating the freeze-dried pellet or transferring the organism.
Purified genomic DNA of this strain is available as ATCC® BAA-98D-5™.
Additional information on this culture is available on the ATCC® web site at www.atcc.org.

References

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

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

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The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

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

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