ATCC

Product Sheet

Rhodobacter capsulatus (ATCC® 17016™)

Please read this FIRST

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: *Rhodobacter capsulatus* (ATCC® 17016™)

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: ATH 2.3.2
Deposited Name: *Rhodopseudomonas capsulatus* (Molisch) van Niel

Propagation

Medium
ATCC® Medium 112: Van Niel's yeast agar

Growth Conditions
Temperature: 30.0°C
Atmosphere: Anaerobic

Propagation Procedure
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, 2 ml/100 ml medium) and then fill the test tube to capacity with ATCC 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. Aseptically take 0.5 ml of the pre-reduced medium and rehydrate the pellet.
4. Transfer the rehydrated pellet back into the screw cap test tube and close tightly. (The test tube should be filled to capacity).
5. Incubate the culture at 30ºC under a tungsten lamp.
6. Once growth has been established (three to six days), the culture should be transferred to fresh broth. If a large inoculum is used (1020%) the medium does not need to be pre-reduced.
7. When examined microscopically, the cells as long thin rods that occur singly in pairs and in clumps. The cells are motile.
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; 2 ml/100 ml medium) and then fill the test tube to capacity with ATCC® 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. Aseptically take 0.5 ml of the pre-reduced medium and rehydrate the entire pellet.
4. Transfer the rehydrated pellet back into the screw cap test tube and close tightly. (The test tube should be filled to capacity).
5. Incubate the culture at 30ºC under a tungsten lamp.
6. Once growth has been established (three to six days), the culture should be transferred to fresh broth. If a large inoculum is used (1020%) the medium does not need to be pre-reduced.
7. When examined microscopically, the cells are very motile medium rods in singles.

Notes

This culture is tolerant to oxygen therefore strictly anoxic conditions are not required when rehydrating the freezedried pellet or transferring the organism.

This culture is able to grow aerobically on agar (Nutrient) in the dark. Colonies are rounded, moist, entire with clear edges and pink centers.

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

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

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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.

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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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