ATCC

Product Sheet

Rhodobacter sphaeroides (ATCC® BAA-808™)

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 sphaeroides* (ATCC® BAA-808™)

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: 2.4.1
Deposited Name: *Rhodobacter sphaeroides* (van Niel) Imhoff et al.

Propagation

Medium
ATCC® Medium 26: Nutrient agar with 1% phytone

Growth Conditions
Temperature: 26.0°C
Atmosphere: Facultative anaerobe

Propagation Procedure
1. Put 6 to 8 ml of ATCC Medium #112 into a 13x100 mm screw cap test tube (small). Add cysteine (3.0% stock concentration, 2 ml/100 ml medium) and then fill the test tube to capacity with additional #112 broth. 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 pellet.
5. Transfer the rehydrated pellet back into the screw cap test tube and close tightly. (The test tube should be filled to capacity). One or two drops of the broth culture can be streaked out onto a Nutrient Agar, Tryptic Soy, or Brain Heart Infusion Agar plate prior to sealing the tube. This culture grows aerobically in the dark.
6. Incubate the culture at 26-30°C under a tungsten lamp if grown in broth anaerobically. Incubate the agar plate aerobically in the dark at 2630°C.
7. Once growth has been established (three to six days, when grown anaerobically, or one to 3 days if grown aerobically) the culture should be transferred to fresh broth or plates. If a large inoculum is used (1020%) the medium does not need to be pre-reduced for anaerobic growth.
8. When examined microscopically, the cells are motile rods, in single and pairs.

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 has a yellow-brown to green red color when grown under anaerobic condition under a tungsten lamp. When grown under aerobic conditions in the dark the colonies are red in color.

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 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

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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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