



Product Sheet

Rhodobacter sphaeroides (ATCC® 21455™)

Please read this **FIRST**



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® 21455™)

Description

Designation: IFO 12203
Deposited Name: *Rhodopseudomonas sphaeroides* 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). Pre-reduce the medium by adding 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 30°C 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 rods that occur singly in pairs with rounded ends. The cells are motile.

Notes

This culture is tolerant to oxygen therefore strictly anoxic conditions are not required when rehydrating the freeze-dried pellet or transferring the organism.
When grown anaerobically in broth the culture is yellow-green in color.
This culture is able to grow aerobically on Nutrient Agar (ATCC Medium #3) in the dark. Colonies are rounded, moist, and entire, with clear edges and dark red 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

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. 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 product. 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

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



Product Sheet

Rhodobacter sphaeroides
(ATCC® 21455™)

patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

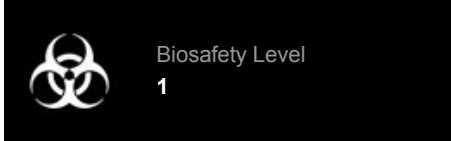
This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

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.

© ATCC 2013. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [01/14]

Please read this FIRST



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® 21455™)

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