**Product Sheet**

*Rhodobacter sphaeroides* (ATCC® 17023™)

---

**Description**

**Designation:** ATH 2.4.1 [ATCC 11167, ATCC 14690, NCIB 8253, NCIB 8287]

**Deposited Name:** Rhodopseudomonas spheroides van Niel

**Product Description:** Type strain

---

**Propagation**

**Medium**

ATCC® Medium 550: R 8 A H medium

ATCC® Medium 3: Nutrient agar or nutrient broth

**Growth Conditions**

**Temperature:** 30°C

**Atmosphere:** Anaerobic under a tungsten lamp

**Propagation Procedure**

1. Put 6 to 8 mL of ATCC Medium #550 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 ATCC Medium #550. 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 0.25 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. Transfer 0.1mL of the suspension to a second tube of broth. (Make sure both tubes are filled to capacity). One or two drops can be streaked out onto nutrient plates.

6. Incubate the broth culture at 30°C under a tungsten lamp. The agar plate cultures should be incubated aerobically in the dark.

7. Growth should be established in three to six days. The culture should then be transferred to fresh broth. If a large inoculum is used the medium does not need to be pre-reduced.

---

**Notes**

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

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 patents are provided for informational purposes only. ATCC does not warrant that such information has been validated.

---

*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
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 2019. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [04/12]