**Rhodobacter sphaeroides**

(ATCC® 17023™)

**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® 17023™)

**Propagation**

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 broth 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. One or two drops can be streaked out onto nutrient plates (ATCC Medium #3).
6. Incubate the broth culture at 30°C under a tungsten lamp. The nutrient 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.

**Phototrophic growth** is obtained by incubating the culture under anaerobic conditions under a tungsten lamp. This culture is able to grow aerobically on agar (Nutrient) in the dark.

**Additional Information**

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.

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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.

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