**Designation:** ATH 2.4.9

**Deposited Name:** Rhodopseudomonas spheroides van Niel

**Medium**

ATCC® Medium 112: Van Niel’s yeast agar

**Growth Conditions**

**Temperature:** 30°C

**Atmosphere:** Anaerobic

**Propagation Procedure**

1. Put 6 to 8 mL of 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 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. 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 (10-20%) the medium does not need to be pre-reduced.

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

This culture is able to grow aerobically on agar (Nutrient) in the dark. Colonies are round, convex, smooth, and reddish.

**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.

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This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC
Product Sheet

**Rhodobacter sphaeroides**
(ATCC® 17029™)

Please read this FIRST

- **Storage Temp.**
  - Frozen: -80°C or colder
  - Freeze-Dried: 2°C to 8°C
  - Live Culture: See Propagation Section

- **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® 17029™)

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