Designation: NCIB 8255 [ATH 1.1.1, S.1]
Deposited Name: Rhodospirillum rubrum (Esmarch) Molisch
Product Description: Type strain. Genome sequenced strain.

Medium
ATCC® Medium 112: Van Niel's yeast agar
ATCC® Medium 18: Trypticase Soy Agar/Broth

Growth Conditions
Temperature: 26°C
Atmosphere: Aerobic or anaerobic under a tungsten lamp

Propagation Procedure
1. Put 6 to 8 mL of #112 broth 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 culture.
3. Allow the frozen vial to thaw at room temperature. Transfer the entire contents of the thawed aliquot into the screw cap test tube and close tightly. (You may have to remove 0.5 mL first, but be sure the test tube is refilled to capacity).
4. Several drops of the culture suspension can be used to inoculate #18 agar plates. Incubate the plates aerobically or anaerobically at 26°C. Light is not required.
5. Incubate the broth culture at 26°C under a tungsten lamp.

After four to seven days, growth is evident by turbidity and deep red pigmentation throughout the broth. When examined microscopically, the cells appear as spiral shaped rods, in singles and chains. Once growth has been detected, the culture should be transferred to fresh broth. Subsequent growth should be detected within 48 to 72 hours.

This culture is tolerant to oxygen; therefore strictly anoxic conditions are not required when the vial is thawed at room temperature. The culture will grow on non-selective media in the dark. Under these conditions, the strain produces colonies that start out colorless and transparent but become red and opaque over time.

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

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