



Product Sheet

Rhodospirillum rubrum (ATCC® 27048™)

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: *Rhodospirillum rubrum* (ATCC® 27048™)

Description

Designation: ICPB 2204
Deposited Name: *Rhodospirillum rubrum* (Esmarch) Molisch

Propagation

Medium
ATCC® Medium 550: R 8 A H medium

Growth Conditions
Temperature: 30.0°C
Atmosphere: Anaerobic

Propagation Procedure

1. Put 6 to 8 ml of Medium #550 into a 13x100 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 #550 broth. Seal the tube with a screw cap.
2. Let the tube sit at room temperature for 30 minutes before inoculating.
3. Open the freeze-dried vial according to enclosed instructions.
4. Aseptically take 0.5 ml of the pre-reduced medium and rehydrate the entire pellet.
5. Transfer the rehydrated pellet back into the screw cap test tube and close tightly. (The test tube should be filled to capacity).
6. Incubate the culture at 30°C under a tungsten lamp.
7. 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.
8. When examined microscopically, the cells are motile spiral shaped rods, in single and pairs.

Notes

Colonies on #260 agar are pink, circular, entire, convex and translucent. Growth should be established in #550 broth prior to inoculation of plates.

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

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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