



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](http://www.atcc.org).

## References

References and other information relating to this product are available online at [www.atcc.org](http://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

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor



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™)

scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been 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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

© ATCC 2013. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [02/04]

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor