



Product Sheet

# *Rhodopseudomonas palustris* (ATCC® BAA-37™)

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: *Rhodopseudomonas palustris* (ATCC® BAA-37™)

## Description

**Designation:** JA1

**Deposited Name:** *Rhodopseudomonas palustris* (Molisch) van Niel

## Propagation

### Medium

ATCC® Medium 112: Van Niel's yeast agar

### Growth Conditions

**Temperature:** 30.0°C

**Atmosphere:** Anaerobic under light

### Propagation Procedure

A. Aerobic growth on agar:

1. Open vial according to the enclosed instructions.
2. Using a single tube of #18 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #18 agar slants and plates.
5. Incubate the tubes and plates at 30°C for 3 to 6 days.

B. Anaerobic under a tungsten lamp.

1. Put 6 to 8 ml of ATCC Medium #112 into a 13x100 mm screw cap test tube (small). Add 3.0 % cysteine (stock concentration, 0.1 ml cysteine for each 5-6 ml of medium) and then fill the test tube to capacity with additional #112. Seal the test 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 pellet.
5. Transfer the rehydrated pellet back into the screw cap test tube and close tightly. (The test tube should be filled to capacity). Incubate the culture at 30°C under a tungsten lamp.

## Notes

Best results were obtained when the culture was first grown aerobically and then transferred to broth under anaerobic conditions. Under aerobic conditions growth can be detected within 72 to 96 hours. Colonies are small, clear, round, and entire. The cells are short rods in singles and pairs that are very motile.

## 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.

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## Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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Product Sheet

***Rhodopseudomonas***  
***palustris*** (ATCC® BAA-  
37™)

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

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

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