



Product Sheet

# *Rhodoblastus acidophilus* (ATCC® 25092™)

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: *Rhodoblastus acidophilus* (ATCC® 25092™)

## Description

**Designation:** 7050 [CIP 103962, DSM 137, LMG 4304, SMG 137]  
**Deposited Name:** *Rhodopseudomonas acidophila* Pfennig

## Propagation

### Medium

ATCC® Medium 650: Rhodopseudomonas medium

### Growth Conditions

**Temperature:** 30.0°C

**Atmosphere:** Anaerobic

### Propagation Procedure

1. Put 6 to 8 ml of ATCC Medium #650 into a 13x100 mm screw cap test tube (small). Add 3.0 % cysteine (stock concentration, 0.1 ml per each 5 to 6 ml of medium) and then fill the test tube to capacity with ATCC Medium #650. 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. 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).
6. Incubate the culture at 26-30°C under a tungsten lamp.
7. Once growth has been established (three to seven 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.

## Notes

Cells are motile, slightly irregular rods that occur singly in pairs and occasionally in clumps. The culture will also grow aerobically in the dark on Nutrient Agar (BD 213000). 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.

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Product Sheet

***Rhodoblastus acidophilus***  
**(ATCC® 25092™)**

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