



Product Sheet

Rhodoferax antarcticus (ATCC® 700587™)

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: *Rhodoferax antarcticus* (ATCC® 700587™)

Description

Designation: ANT.BR

Deposited Name: *Rhodoferax antarcticus* Madigan et al.

Propagation

Medium

ATCC® Medium 2113: Rhodopseudomonas medium with yeast extract

Growth Conditions

Temperature: 22.0°C

Atmosphere: Anaerobic under light

Propagation Procedure

1. Let the vial sit at room temperature until it thaws (*see note below*).
2. Using 1.0 ml pipette, aseptically transfer the thawed culture to a test tube containing #2113 broth. Fill the tube to capacity with broth (*see note below*).
3. Incubate tubes at room temperature under a tungsten lamp.

Notes

This is an anaerobic culture that can stand some exposure to oxygen. Do not allow the thawed cells to sit under aerobic conditions any longer than is needed.

Best results are obtained by starting with a small screw cap test tube (the smaller the volume the better). The culture is more likely to grow if the medium is pre-reduced prior to inoculating the cells into the broth. The medium can be reduced with the addition of cysteine (0.1ml per each 5ml of medium, stock concentration of 3%). If working with a 10 ml screw cap test tube add 6 ml of broth, 0.2 ml cysteine, the thawed cells, and then fill the test tube up to capacity with broth. Seal the test tube with a screw cap and incubate under a tungsten lamp.

The cells are long thin spiral motile rods of varying length.

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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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

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

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