ATCC

Product Sheet

Rhodopseudomonas palustris (ATCC® BAA-1124™)

Please read this FIRST

Biosafety Level
1

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-1124™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: BisB18
Deposited Name: *Rhodopseudomonas palustris* (Molisch) van Niel

Propagation

Medium
ATCC® Medium 2657: PMSY Medium

Growth Conditions
Temperature: 26-30°C
Atmosphere: Anaerobic under 1500 lux light; Aerobic on nutrient agar in the dark

Propagation Procedure
1. Put 6 to 8 ml of ATCC® medium #2657 into a 13x100 mm screw cap test tube (small). Add 3.0% cysteine M (3.0% stock concentration; 0.1 0.2 ml for each 5 to 10 ml of medium) and then fill the test tube to capacity with additional medium #2497. Seal the test tube with a screw cap.
2. Let the tube sit at room temperature at least one hour before inoculating it with the culture.
3. Allow the frozen vial to thaw at room temperature. Remove 0.5 ml of broth and then transfer the entire aliquot into the screw cap test tube and close tightly. Inoculate a plate of nutrient agar.
4. Incubate the culture at 26-30ºC under light (approximately 1500 lux). The culture should be 6 to 12 inches from the light source.

Notes

After one to three weeks, growth is evident by turbidity and deep reddish pigmentation throughout the broth. When examined microscopically, the cells appear as rods occurring singly and in pairs. Cells are motile. Once growth has been detected, the culture should be transferred to fresh broth. Subsequent growth should be detected within 72 to 96 hours. Good growth has been obtained on nutrient agar and may be the best way to initially recover this culture. Once growth has been obtained on nutrient agar a loop-full of cells can be placed in a small test tube containing reduced medium (#2657); phototrophic growth can take up to 3 weeks to be detected.

We suggest adding the reducing agent to the medium at least one hour before the medium is to be inoculated.

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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confirmed to be accurate.

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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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