ATCC

Product Sheet

Rhodospirillum rubrum (ATCC® 11170™)

Please read this FIRST

Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section

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: *Rhodospirillum rubrum* (ATCC® 11170™)

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: NCIB 8255 [ATH 1.1.1, S.1]
Deposited Name: *Rhodospirillum rubrum* (Esmarch) Molisch
Product Description: Type strain. Genome sequenced strain.

Propagation

Medium
ATCC® Medium 112: Van Niel's yeast agar
ATCC® Medium 18: Trypticase Soy Agar/Broth

Growth Conditions
Temperature: 26°C
Atmosphere: Aerobic or anaerobic under a tungsten lamp

Propagation Procedure

1. Put 6 to 8 mL of #112 broth into a 13 x 100 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 #112 broth. Seal the test tube with a screw cap.
2. Let the tube sit at room temperature for 30 minutes before inoculating it with the culture.
3. Allow the frozen vial to thaw at room temperature. Transfer the entire contents of the thawed aliquot into the screw cap test tube and close tightly. (You may have to remove 0.5 mL first, but be sure the test tube is refilled to capacity).
4. Several drops of the culture suspension can be used to inoculate #18 agar plates. Incubate the plates aerobically or anaerobically at 26°C. Light is not required.
5. Incubate the broth culture at 26°C under a tungsten lamp.

Notes

After four to seven days, growth is evident by turbidity and deep red pigmentation throughout the broth. When examined microscopically, the cells appear as spiral shaped rods, in singles and chains. Once growth has been detected, the culture should be transferred to fresh broth. Subsequent growth should be detected within 48 to 72 hours.
This culture is tolerant to oxygen; therefore strictly anoxic conditions are not required when the vial is thawed at room temperature.
The culture will grow on non-selective media in the dark. Under these conditions, the strain produces colonies that start out colorless and transparent but become red and opaque over time.
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.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. 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 strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

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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 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 ensure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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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