ATCC

Product Sheet

Rhodobacter capsulatus (ATCC® 17022™)

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: *Rhodobacter capsulatus* (ATCC® 17022™)

Description

Designation: ATH 2.3.14
Deposited Name: *Rhodopseudomonas capsulatus* (Molisch) van Niel

Propagation

Medium
ATCC® Medium 112: Van Niel's yeast agar

Growth Conditions
Temperature: 30.0°C
Atmosphere: Anaerobic

Propagation Procedure
1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 ml of recommended broth from a single test tube (5 to 6 ml) and rehydrate the entire vial contents.
3. Aseptically transfer this aliquot back into the broth tube. A slant and a pre-reduced blood plate may also be inoculated with 0.1 ml each of the cell suspension. An aerobic blood plate may also be streaked to check for purity.
4. Incubate tubes and plate under anaerobic conditions at 30°C. Incubate blood plate aerobically at 37°C. This culture will also grow aerobically in the dark if inoculated on to a non-selective medium such as TSA or NA and incubated at 30ºC.
5. Within 48 to 96 hours, growth should be evident by turbidity in the broth.
ANAEROBIC CONDITIONS:
Anaerobic conditions for transfer may be obtained by either of the following:
- Use of an anaerobic gas chamber, or
- Placement of test tubes under a gassing cannula system hooked to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:
- Loose screw caps on test tubes in anaerobic chamber,
- Loose screw caps on test tubes in an activated anaerobic gas pack jar, or
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

Notes

Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions. Resazurin in the media is a color indicator for anaerobic conditions. Observance of pink color in medium before use or during incubation shows anaerobic conditions have not been met and oxidation has occurred. Medium should be discarded.

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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Or contact your local distributor

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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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