



Rhodobacter capsulatus (Molisch) Imhoff et al.

BAA-309™

Description

Genome sequencing strain

Strain designation: SB1003

Deposited As: *Rhodobacter capsulatus* (Molisch) Imhoff et al.

Type strain: No

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submerged in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submerged in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Medium:

ATCC Medium 3: Nutrient agar or nutrient broth

ATCC Medium 0550: R 8 A H medium

Temperature: 26°C

Atmosphere: Anaerobic (ATCC Medium #550 under a tungsten lamp with a light intensity of 2,000-3,000 lux)

Incubation: Anaerobic (ATCC Medium #550 under a tungsten lamp with a light intensity of 2,000-3,000 lux); Aerobic (ATCC Medium #3 slants, plates, or broth in the dark)

Handling Procedures

1. Open vial according to enclosed instructions.

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2. Using a single tube of #550 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a Pasteur or 1.0 mL pipette. Rehydrate the entire pellet.
 3. Aseptically transfer this aliquot back into the broth tube.
 4. Use several drops of the suspension to inoculate a #3 slant(s) and or plate(s). Incubate slants and plates under aerobic conditions in the dark. Close the tube of the #550 broth and incubate at 26°C under a tungsten lamp.
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Notes

Colonies on #3 agar plates are entire, glistening, circular, smooth, opaque, convex, and have a red center with a white edge.

When grown in #550 broth with a headspace, the culture exhibits a red pigmentation. When oxygen is excluded, the culture exhibits a green pigmentation. Growth in broth requires 7-10 days and a large inoculum.

Purified genomic DNA of this strain is available as ATCC® BAA-309D™.

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

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Rhodobacter capsulatus* (Molisch) Imhoff et al. (ATCC BAA-309)

References

References and other information relating to this material are available at www.atcc.org.

Warranty

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Revision

This information on this document was last updated on 2022-10-22

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