



Rhodopseudomonas palustris (Molisch) van Niel

BAA-1122™

Description

Genome sequenced strain

Strain designation: HaA2

Deposited As: *Rhodopseudomonas palustris* (Molisch) van Niel

Type strain: No

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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 2657: PMSY Medium

ATCC Medium 3: Nutrient agar or nutrient broth

Temperature: 26°C

Atmosphere: Aerobic

Handling Procedures

A. Growth under aerobic conditions:

1. Open thawed vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #3 broth.

Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.

3. Use several drops of the suspension to inoculate a #3 agar slant and plates.
4. Incubate the tubes and plates at 26°C in the dark for 7 days.

B. Growth under anaerobic conditions.

1. Put 6 to 8 mL of ATCC medium #2657 into a 13 X 100 mm screw cap test tube (small). Add 5.0 % Co-enzyme M (stock concentration, 2 mL/100 mL) and then fill the test tube to capacity with additional medium #2657. Seal the test tube with a screw cap.
2. Let the tube sit at room temperature for 30 minutes before inoculating it with the rehydrated culture.
3. Allow the frozen vial to thaw at room temperature. Remove 0.5 mL of the pre-reduced medium and rehydrate. Then transfer the entire aliquot into the screw cap test tube and closed tightly. Inoculate a Nutrient agar.
4. Incubate the culture at 26°C under a tungsten lamp for 7 days. The culture should be 10-12 inches from the light source.

Notes

This item will also grow on Nutrient agar incubated aerobically without light. 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: *Rhodopseudomonas palustris* (Molisch) van Niel (ATCC BAA-1122)

References

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

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