Rhodopseudomonas palustris (Molisch) van Niel

BAA-1125™

Description

Genome sequenced strain
Strain designation: BisA53
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 submersed 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 submersed 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
Temperature: 26°C
Atmosphere: Aerobic

Handling Procedures

1. Partially fill a small screw-cap test tube with #2657 broth. Add a few drops of 5% Co-enzyme M, fill the tube to the brim, and cap. Let the broth sit for 30 minutes to reduce. Agar does not require pre-reduction.
2. Thaw the sample vial and aseptically transfer the entire contents to the tube of #2657 broth. Additional pre-reduced 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 primary broth tube to inoculate a #18 plate, which can be incubated aerobically.
4. Incubate at 26°C for 14 days. Broth tubes should be incubated under a tungsten lamp (10-12 inches from lamp); agar plates do not require light.

Notes

After 2 weeks, broth develops violet-colored growth. Colonies on agar are small, circular, smooth, and pink, turning violet with extended incubation.
This culture is tolerant to oxygen; therefore strictly anoxic conditions are not required. Once growth has been established the medium does not need to be reduced before inoculating.
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-1125)

References

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

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Revision

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