Phaeospirillum molischianum (Giesberger) Imhoff et al.

14031™

Description

Strain designation: NCIB 9957
Deposited As: *Rhodospirillum molischianum* Giesberger
Type strain: Yes

Storage Conditions

Product format: Freeze-dried

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 1808: Yeast extract (ATCC medium 837) with 0.015% sodium sulfide
Temperature: 24-26°C
Atmosphere: Anaerobic

Handling Procedures

1. Open vial according to enclosed instructions.

2. This organism can tolerate brief exposure to oxygen, so it may be opened without anaerobic conditions. Aseptically transfer 0.5 ml of medium #1808 to the vial and rehydrate the pellet. Transfer this suspension to a single tube (5 to 6 ml) of

#1808 broth that has been pre-reduced by the addition of 0.015% sodium sulfide. To check for possible aerobic contamination, plate 0.2 ml of the culture on any non-selective media and incubate aerobically in the dark at 26ºC. (There may be some slight growth). Fill the test tube to capacity, seal the tube with a screw cap, and incubate at 26ºC (room temperature) under a tungsten lamp.

3. After four to seven days, growth should be evident as indicated by turbidity and red pigmentation through out the broth. When examined microscopically, the cells appear as spiral shaped rods, in singles and pairs that are motile. Once growth has been detected, the culture should be transferred to fresh broth. Subsequent growth should be detected within 48 to 72 hours.

Notes

When making additional transfers, it is not necessary to pre-reduce the medium if using a large inoculum (20% or greater).

Additional information on this culture is available at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Phaeospirillum molischianum* (Giesberger) Imhoff et al. (ATCC 14031)

References

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

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Revision

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