Telmatospirillum siberiense Sizova et al.

BAA-1305™

Description

Strain designation: 26-4b1
Type strain: Yes

Storage Conditions

Product format: Frozen

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 2644: Telmatospirillum Medium
Temperature: 28°C
Atmosphere: 80% N_2, 20% CO_2

Handling Procedures

1. When the Balch tube is ready to inoculate, thaw the frozen vial at room temperature under a gentle stream of oxygen-free gas.

2. For inoculation, use an anaerobic 1.0 ml syringe tipped with 22-gauge needle to withdraw the cell suspension from the vial and transfer it to the broth. Plate 0.1 ml of the inoculated culture onto a non-selective medium and incubate aerobically at 37 ºC. Use 0.1 ml of the inoculated culture to inoculate a nonselective aerobic broth. Transfer 0.5 ml of the re-hydrated culture to an additional tube of #2644 broth. Incubate the broth tubes at 28ºC.

3. Growth should be detected in the #2644 broth within 3 to 5 days. There should be no growth detected aerobically.

ANAEROBIC CONDITIONS:

· Tubes of media are placed under a gassing cannula system hooked to a source of oxygen-free gas.

· All transfers are performed while the test tubes are on the cannula system with a gentle stream of oxygen free gas flowing through the system.

· As the test tubes are removed from the cannula system each is sealed with butyl rubber stopper thus maintaining the anaerobic headspace. A 100% nitrogen or 80% nitrogen--20% carbon dioxide gas mixture is typically employed as the oxygen-free gas source.

Notes

In 3 to 5 days, growth is evident in broth by turbidity. Cells are Gram-negative motile spirillum shaped cells.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Telmatospirillum siberiense* Sizova et al. (ATCC BAA-1305)

References

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

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Contact Information

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor