



# ***Syntrophomonas wolfei*** **McInerney et al.**

**BAA-1933™**

Product Sheet

## **Description**

**Strain designation:** LYB [OCM 65]

**Type strain:** No

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## **Storage Conditions**

**Product format:** Frozen

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## **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.

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## **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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Handling Procedures

1. Sterilize the top of the Balch tube by spraying it with 70% ethanol and then flaming the top.
  2. If needed, exchange the gas in the test tube for 80% N<sub>2</sub> - 20% CO<sub>2</sub>.
  3. Add 0.1 ml of reducing agent (3% cysteine, stock solution) per each 10 ml of medium. When reducing media, also add the sterile additions before inoculating. Let the medium sit at room temperature for 30 minutes.
  5. Transfer the entire contents of the vial to a tube of #2467 broth (10 ml).
  6. Use several drops of the cell suspension to inoculate a second balch tube of #2467 and an aerobic blood agar plate to check for contamination.
  7. Incubate the tubes and plate at 37°C for 20 to 25 days.
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## Notes

This culture has an extremely long incubation period. Initial growth can begin at 25 days, but to have a successful transfer into a fresh culture medium, it can take up to 40 days. This culture needs to be closely monitored. The density of this culture is low and turbidity occurs because of the crotonate solution in the medium. The crotonate solution needs to be between 10 mM to 20 mM; any less or more, and the culture will not grow. The cells are curved non-motile rods that occur in pairs.

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Syntrophomonas wolfei* McInerney et al. (ATCC BAA-1933)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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