



# *Desulfobulbus rhabdoformis* Lien et al.

700652™

## Description

**Strain designation:** DSM 8777 [M16]

**Deposited As:** *Desulfobulbus rhabdoformis* Lien et al.

**Type strain:** Yes

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## Storage Conditions

**Product format:** Freeze-dried

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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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## Growth Conditions

**Medium:**

ATCC Medium 2105: *Desulfobulbus rhabdoformis* medium

**Temperature:** 30°C

**Atmosphere:** Anaerobic

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## Handling Procedures

1. Open the vial according to enclosed instructions.
2. Perform all steps under anaerobic conditions.
3. Aseptically transfer 0.5 ml of #2105 broth to the vial and rehydrate the entire pellet. Transfer the suspension back into the broth tube. Inoculate a plate of a non-selective medium such as Trypticase Soy, Nutrient, or Blood agar with 0.1 ml of the cell suspension.

4. Seal the tube with a rubber stopper and incubate anaerobically at 30°C. Incubate the plate(s) aerobically as a purity check.

5. Within 72 to 96 hours, growth is evident by slight to moderate turbidity in the broth. No growth occurs on blood agar plate incubated aerobically. When examined by phase contrast, cells appear as rods with rounded ends. They are single, in pairs or in chains, but do not form aggregates. Cells of various sizes are often observed in the same chain. Cells stain Gram negative and motility is not detected. Once growth is achieved, transfer the culture to fresh tubes of #2105 broth.

**ANAEROBIC CONDITIONS:**

Anaerobic conditions for transfer may be obtained by either of the following:

- Use of an anaerobic gas chamber, or
- Placement of test tubes under a gassing cannula system hooked to anaerobic gas or.
- Exchanging the headspace in stoppered culture tubes for the appropriate anaerobic gas

Anaerobic conditions for incubation may be obtained by any of the following:

- Loose screw-caps on test tubes in anaerobic chamber,
- Loose screw-caps on test tubes in an activated anaerobic Gas Pak jar, or
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

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**Notes**

Always use freshly prepared anaerobic medium.

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: *Desulfobulbus rhabdoformis* Lien et al. (ATCC 700652)

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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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## Revision

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