



Dehalobacterium formicoaceticum

700118™

Product Sheet

Description

Strain designation: DSM 10151

Deposited As: *Dehalobacterium formicoaceticum*

Type strain: Yes

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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 2760: MOPS Buffered Medium for Dehalococcoides sp.

Temperature: 30°C

Atmosphere: Anaerobic

Handling Procedures

1. If medium is not already anaerobic, exchange headspace for anaerobic gas and add a few drops of sodium sulfide solution to produce a reducing environment.
2. **Add several drops of dichloromethane to each tube** for the culture to use as a substrate.
3. Open vial according to enclosed instructions or visit www.atcc.org for instructions.

4. Rehydrate the entire dried cell pellet with 0.5 mL of #2760 broth. Aseptically transfer the entire contents to a 5-6 mL tube of #2760 broth. This should be done with a needle and syringe or in an anaerobic environment.
 5. Additional broth tubes can be inoculated using 0.5 mL of broth from the primary tube. Additionally, a nonselective check plate can be inoculated and incubated aerobically.
 6. Incubate the tubes at 30°C for a week in an anaerobic atmosphere. No growth should be seen on the aerobic plate.
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Notes

Dichloromethane is the preferred substrate of this strain. Microscopic examination of the broth reveals plump rods, often occurring in clusters.

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: *Dehalobacterium formicoaceticum* (ATCC 700118)

References

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

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