



Product Sheet

# *Dehalobacterium formicoaceticum* (ATCC® 700118™)

Please read this **FIRST**



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**

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Biosafety Level  
**1**

## Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

## Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Dehalobacterium formicoaceticum* (ATCC® 700118™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Designation:** DSM 10151  
**Deposited Name:** *Dehalobacterium formicoaceticum*

## Propagation

### Medium

ATCC® Medium 2760: MOPS Buffered Medium for Dehalococcoides sp.

### Growth Conditions

**Temperature:** 30°C

**Atmosphere:** Anaerobic gas mixture, 80% N<sub>2</sub>-10% CO<sub>2</sub>-10% H<sub>2</sub>

### Propagation Procedure

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](http://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.

## 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](http://www.atcc.org).

## References

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

## Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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***Dehalobacterium  
formicoaceticum* (ATCC®  
700118™)**


is made to insure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

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


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