



***Dehalococcoides* sp.**

BAA-2098™

Description

Strain designation: Strain FL2

Deposited As: *Dehalococcoides* sp.

Type strain: No

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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: 24-30°C

Atmosphere: N₂-H₂ (2-20% H₂ in the headspace); Anaerobic

Handling Procedures

1. Twenty four hours prior to inoculation, place all components in the anaerobic chamber.
2. Place the frozen vial in the anaerobic chamber and allow it to thaw. Using an anaerobic syringe to transfer the entire contents of the vial into a single serum bottle of #2760 broth. Add trichloroethylene to a concentration of 5 µl TCE per 100 ml of medium.
3. Incubate the serum bottle at 30°C for 4-6 weeks.

Notes

This culture is a strict anaerobe and all efforts should be made to maintain anaerobic conditions. It is strongly suggested that all transfers be performed in an anaerobic chamber (bug box). Growth can best be monitored using real time PCR; see attached protocol. Growth can also be monitored using a fluorescent DNA stain such as LIVE/DEAD BacLight or SYBR green. Growth can take from four to six weeks.

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: *Dehalococcoides* sp. (ATCC BAA-2098)

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
