



Product Sheet

Dehalococcoides sp. (ATCC® BAA-2100™)

Please read this FIRST



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



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: *Dehalococcoides sp.* (ATCC® BAA-2100™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: BAV1

Deposited Name: *Dehalococcoides sp.*

Propagation

Medium

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

Growth Conditions

Temperature: 30°C

Atmosphere: Anaerobic gas mixture, 90% N₂-10% H₂ or 80% N₂-10% CO₂-10% H₂

Propagation Procedure

1. Prepare media in Balch tubes, with 20 mL of media allowing for 20% headspace in the tube. Add 5 µL cis-1,2-dichloroethene (cis-DCE) to each Balch tube.
2. Pre-reduce all media and supplies 24 hours in advance of opening vial and/or culturing using 3% cysteine and 80% N₂-10%CO₂-10% H₂ gas.
3. Open thawed vial according to enclosed instructions or visit www.atcc.org for instructions. It is highly recommended that all work be performed in an anaerobic chamber.
4. Under anaerobic conditions, aseptically transfer the entire contents of the vial to a tube of #2760 broth prepared as described above. Establish growth in this primary tube before subculturing. Several drops from the primary broth tube can be sued to inoculate a #260 plate to check purity.
5. Incubate in an anaerobic atmosphere at 30°C for 2-4 weeks. Incubate one agar plate aerobically at 37°C to check for contamination.
6. Once growth has been established, additional test tubes can be inoculated by transferring 1 mL from the primary broth tube to secondary broth tubes. Best practice dictates the use of pre-reduced media.

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 pack jar, or

Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

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.

This strain should be provided with the chloronated electron acceptor cis-DCE every 2-4 weeks.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

References

References and other information relating to this product are available online at 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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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

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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