



Product Sheet

Desulfovibrio desulfuricans *subsp. aestuarii* (ATCC® 29578™)

Please read this **FIRST**



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: *Desulfovibrio desulfuricans subsp. aestuarii* (ATCC® 29578™)

Description

Designation: NCIB 9335 [Sylt 3]

Deposited Name: *Desulfovibrio desulfuricans* subsp. *aestuarii* Postgate and Campbell

Propagation

Medium

ATCC® Medium 1250: Modified Barr's Medium for sulfate reducers with 2.5% NaCl

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ATCC® Medium 210: Modified Starkey's medium C (ATCC medium 207) with 2.5% NaCl

Growth Conditions

Temperature: 30.0°C

Atmosphere: Anaerobic

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Perform all steps under anaerobic conditions. (see below)
3. Aseptically transfer 0.5 ml of ATCC Medium #1250 to the vial and rehydrate the freeze-dried pellet. Transfer the suspension back into the tube of broth. Inoculate a plate of non-selective medium with 0.1 of the culture.
4. Seal the test tube with a rubber stopper and incubate anaerobically at 30°C. Incubate the plate(s) aerobically as a purity check.
5. After two or three days, growth should be evident as indicated by turbidity through out the broth. Once growth has been established, the culture should be transferred to fresh broth every 24 to 48 hours.
6. This culture is very sensitive to oxygen, therefore steps should be taken to avoid exposure to oxygen. When the culture exhibits good growth it will remain viable for up to 1 week if stored at 4°C under anaerobic condition.

ANAEROBIC CONDITIONS:

- Tubes of media are placed under a gassing cannula system hooked to a source of oxygen free gas.
- All transfers are performed while the test tubes are on the cannula system with a gentle stream of oxygen-free gas flowing through the system.
- As the test tubes are removed from the cannula system each is sealed with butyl rubber stopper thus maintaining the anaerobic headspace.

Notes

Growth should be detected within 24 hours as indicated by turbidity throughout the broth.

The cells typically appear as comma-shaped rods that are motile.

Once growth has been established the culture should be transferred every 24 hours when maintained at 30°C.

The culture can be maintained at 4°C for up to 1 week..

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.

ATCC Warranty

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29578™)**

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media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

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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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