



Product Sheet

Desulfobacter latus (ATCC® 43918™)

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: *Desulfobacter latus* (ATCC® 43918™)

Description

Designation: DSM 3381 [AcRS2]
Deposited Name: *Desulfobacter latus* Widdel

Propagation

Medium

ATCC® Medium 1648: Modified *Desulfobacterium* medium

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. Let the frozen vial thaw at room temperature under a stream of oxygen free gas. Aseptically transfer the contents of the vial to a anaerobic tube of 1648 broth. Inoculate a plate of non-selective medium with 0.1 of the culture. Inoculate a non-selective tube of broth.
4. Seal the test tube with a rubber stopper and incubate anaerobically at 30°C. Incubate the plate(s) and aerobic broth at 30°C as a purity check.
5. After two weeks, growth should be evident by turbidity through out the broth. Once growth has been established, the culture should be transferred to fresh broth every week.
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 conditions.

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 will be detected within a week by turbidity throughout the broth.

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

Resolution: 1000X

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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Disclaimers

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Or contact your local distributor



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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

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