



Product Sheet

# *Sulfurimonas denitrificans* (ATCC® 33889™)

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: *Sulfurimonas denitrificans* (ATCC® 33889™)

## Description

**Designation:** DSM 1251

**Deposited Name:** *Thiomicrospira denitrificans* Timmer-ten Hor

## Propagation

### Medium

ATCC® Medium 1255: *Thiomicrospira denitrificans* medium

### Growth Conditions

**Temperature:** 26.0°C

### Propagation Procedure

1. Open vial according to enclosed instructions.
2. Withdraw 0.5 ml of the recommended broth from a single test tube (5 to 6 ml) and rehydrate the entire vial contents.
3. Aseptically transfer this aliquot back into the broth. Additional broth tubes may be inoculated with 0.5 ml each from the suspension. A slant and a plate of the recommended medium may be inoculated with 0.2 ml each. A plate of non-selective medium such as nutrient agar may be streaked to check for aerobic contamination.
4. Incubate tubes and one plate under an anaerobic atmosphere at 26°C. Incubate non-selective plate aerobically to check purity.
5. In 3 to 6 days, growth should be evident by light turbidity in the broth and by colonies on the anaerobic agar surfaces. No growth should occur on the non-selective plate incubated in air. Colonies are small, circular, entire, convex, and translucent. Cells include slender rods of variable length and some long spirals.

### ANAEROBIC CONDITIONS:

- Anaerobic conditions for transfer may be obtained by either of the following:
- Use of an anaerobic gas chamber, or
  - Placement of test tubes under a gassing cannula system hooked to anaerobic gas.
- 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

For best growth use freshly prepared media or media which has been stored under anaerobic conditions after preparation. Perform transfers under anaerobic conditions or minimize exposure to oxygen.

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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### **Disclaimers**

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

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