



Product Sheet

# *Anaerobiospirillum succiniciproducens* (ATCC® 53488™)

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: *Anaerobiospirillum succiniciproducens* (ATCC® 53488™)

## Description

**Designation:** S411

**Deposited Name:** *Anaerobiospirillum succiniciproducens* Davis et al.

## Propagation

### Medium

ATCC® Medium 1536: Anaerospirillum medium

### Growth Conditions

**Max Temperature:** 37.0°C

**Min Temperature:** 35.0°C

**Atmosphere:** Anaerobic

### Propagation Procedure

#### 1. Open vial according to enclosed instructions.

2. Under anaerobic conditions, withdraw 0.5 ml from a single tube (5 to 6 ml) of #1536 broth. Rehydrate the pellet.

3. Aseptically transfer this aliquot back into the broth tube. Mix well.

4. Use several drops of the suspension to inoculate an additional tube of broth and slants. This strain has been found to be sensitive to the cryoprotectant, so transfers should be made immediately from the original tube. Streak a blood plate and incubate aerobically to check for contamination.

5. After three to four days incubation under the recommended conditions, growth should be evident by turbidity through out the broth. When examined microscopically, the cells appear as single rods and pairs. Once growth has been detected, the culture should be transferred to fresh broths and slants. Growth should occur within 48-72 hours.

6. This culture is very sensitive to oxygen, all steps should be taken to avoid exposure to it.

#### 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

Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions. Resazurin in the media is a color indicator for anaerobic conditions. Observance of pink color in medium before use or during incubation shows anaerobic conditions have not been met and oxidation has occurred. Medium should be discarded.

**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: 2

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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**(ATCC® 53488™)**

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longer valid.

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### **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](http://www.atcc.org)

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