



Product Sheet

# *Fibrobacter intestinalis* (ATCC® 43854™)

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: *Fibrobacter intestinalis* (ATCC® 43854™)

## Description

**Designation:** NR9

**Deposited Name:** *Fibrobacter intestinalis* Montgomery et al.

## Propagation

### Growth Conditions

**Temperature:** 37.0°C

**Atmosphere:** Under a gas mixture of 97% CO<sub>2</sub>, 3% H<sub>2</sub>

### Propagation Procedure

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

- Under anaerobic conditions, withdraw 0.5 ml of the recommended broth from a single test tube (5 to 6 ml) and rehydrate the vial contents.
- Aseptically transfer this aliquot back into the broth. Additional tubes may be inoculated with 0.5 ml each from the suspension. Plate 0.1 ml of the inoculated culture onto a non-selective medium and incubate aerobically at 37°C to check for aerobic contamination.
- Incubate tubes under an anaerobic atmosphere at 37°C.
- Within 48 hours, growth should be evident by turbidity and smooth sediment in the broth. No growth should occur on the agar plate incubated aerobically.

### ANAEROBIC CONDITIONS:

- Anaerobic conditions for transfer may be obtained by any of the following:
- Use of an anaerobic gas chamber,
  - Placement of test tubes under a gassing cannula system hooked to anaerobic gas, or
  - Transfer from one stoppered anaerobic test tube to another using a pre-reduced syringe.
- 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 stored under anaerobic conditions.

Resazurin is a commonly used redox indicator that is pink when the redox potential is above -50 mV and colorless when the redox potential is below 110 mV, i.e. highly reducing. Most strict anaerobes require this low redox potential for growth, i.e. will not grow if resazurin is pink.

Pre-reduce syringes to be used for culture transfer by flushing the syringe with oxygen-free gas or by flushing with a reducing agent just prior to use.

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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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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