



Fibrobacter intestinalis Montgomery et al.

43854™

Description

Strain designation: NR9

Deposited As: *Fibrobacter intestinalis* Montgomery et al.

Type strain: Yes

Storage Conditions

Product format: Freeze-dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always

used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Temperature: 37°C

Atmosphere: 97% CO₂, 3% H₂

Handling Procedures

1. Open vial according to enclosed instructions.

2. 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.

3. 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.

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4. Incubate tubes under an anaerobic atmosphere at 37°C.
5. 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.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Fibrobacter intestinalis* Montgomery et al. (ATCC 43854)

References

References and other information relating to this material are available at www.atcc.org.

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Revision

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