



Product Sheet

Fastidiobacter contortum (ATCC® BAA-2125™)

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: *Fastidiobacter contortum* (ATCC® BAA-2125™)

Description

Designation: CAT 12a

Propagation

Medium

ATCC® Medium 2762: *Fastidiobacter contortum* Medium

Growth Conditions

Temperature: 37°deg;C

Atmosphere: Anaerobic; 100% N₂

Propagation Procedure

1. Sterilize the top of the Balch tube by spraying it with 70% ethanol and then flaming the top.
2. If needed, complete a gas exchange using 100% N₂
3. Add 0.1 ml of reducing agent (3% cysteine, stock solution) per 10 ml of medium. Let the medium sit at room temperature for 30 minutes.
4. Open the freeze-dried vial according to the enclosed instructions. Take an anaerobic 1.0 ml syringe tipped with 22-gauge needle and withdraw 0.5 ml of medium from the Balch tube and rehydrate the entire freeze dried pellet anaerobically.
5. Using the same syringe, withdraw the cell suspension from the vial and transfer it to the Balch tube. Inoculate a second pre-reduced tube of medium with 0.2 ml of the rehydrated culture. Plate 0.1 ml of the inoculated culture onto a non-selective medium and incubate one plate anaerobically and a second plate aerobically at 37°C for contamination check.
6. After 7 days of incubation, growth should be present in the anaerobic broth.

ANAEROBIC CONDITIONS:

- A. Balch tubes (available from Bellco Glass, Vineland, NJ; are specially designed for anaerobic work and use an aluminum crimp cap to hold a rubber stopper in place. Needles can easily be inserted through the stopper, and the tubes can be pressurized to 2 atm. Alternatively, serum vials may be used, or screw cap tubes with butyl rubber stoppers, in the latter case the stopper may be removed and the tube placed under a cannula system that dispenses sterile, oxygen free gas for addition of reducing agents or inoculation.
- B. To obtain a fully reduced medium, it is necessary that the medium be anoxic and that a reducing agent be added. Common reducing agents are sodium sulfide, cysteine, dithiothreitol, and titanium citrate.
- C. Syringes can be made anaerobic by one of two methods.
 1. Displace the dead space in the syringe with a sterile
 2. Displace the dead space in the syringe with a reducing agent.

Notes

No growth should occur on Sheep blood agar plates incubated anaerobically or aerobically at 37°C. After initial growth, growth should occur at a quicker rate when transferring the cells to fresh media.

Cells are rods that occur mostly in pairs or in chains. The cells are usually curved, and twitching motility is expressed. Cells stain weakly gram positive.

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

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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ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

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