



# ***Butyrivibrio fibrisolvens*** **Bryant and Small**

51255™

## **Description**

**Strain designation:** Nyx

**Deposited As:** *Butyrivibrio fibrisolvens* Bryant and Small

**Type strain:** No

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## **Storage Conditions**

**Product format:** Frozen

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## **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.

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## **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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

### Medium:

ATCC Medium 1527: PY-glucose (ATCC medium 1524) with 10 g glucose per liter of medium

**Temperature:** 37°C

**Atmosphere:** Anaerobic

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## Handling Procedures

1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 ml of the appropriate medium from a single test tube (5 to 6 ml) and rehydrate the entire vial contents.
3. Aseptically transfer this aliquot back into the broth tube. Additional tubes with 0.5 ml each from the suspension. Streak onto a blood plate and incubate aerobically

**to check for purity.**

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

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## Notes

In 48-72 hours, growth is evident by slight turbidity. No growth should occur on agar plates incubated aerobically. Cells are motile rods that occur singly and in pairs. Colonies are entire, glistening, circular, smooth, and pinpoint.

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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Butyrivibrio fibrisolvens* Bryant and Small (ATCC 51255)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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