Fibrobacter succinogenes subsp. *succinogenes* (Hungate) Montgomery et al.

19169™

Description

Type strain
Strain designation: S85 [VPI 12249; L.A. Burkey S85]
Deposited As: *Bacteroides succinogenes* Hungate
Type strain: Yes

Storage Conditions

Product format: Freeze-dried
Storage conditions: 2°C to 8°C

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

Medium:
ATCC Medium 1943: Fibrobacter medium
Temperature: 37°C
Atmosphere: 97% CO_2, 3% H_2

Handling Procedures

1. Perform all steps under anaerobic conditions.
2. Open vial according to enclosed instructions.
3. Using a single tube of #1943 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a Pasteur or 1.0 mL pipette. Rehydrate the entire pellet.

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4. Aseptically transfer the entire rehydrated contents of the vial into 5 to 6 mL of #1943 broth and immediately dilute 1:5 to a second broth tube. Medium must be absolutely reduced. Strain grows best in a stabbed slant or in broth that contains very little cryoprotective agent. Inoculate a plate of a non-selective medium such as Tryptic Soy, Nutrient, or blood agar with 0.1 mL of the cell suspension.
5. Seal the tube with a rubber stopper or use Hungate tubes and incubate anaerobically at 37°C. Incubate the plate aerobically as a purity check.
6. After 3-4 days, growth should be evident as turbidity throughout the broth. Once growth has been established, the culture should be transferred to fresh broth every 48 hours. No growth should appear on the plate incubated aerobically.

ANAEROBIC CONDITIONS

- Tubes of media are placed under a gassing cannula system connected to a source of oxygen free gas.
- All transfers are performed while the test tubes are on the cannula system with a gentle stream of oxygen free gas flowing through the system.
- As the test tubes are removed from the cannula system each is sealed with butyl rubber stopper thus maintaining the anaerobic headspace.
- This strain typically is grown in the presence of 97% carbon dioxide-3% hydrogen as a gas mixture.

Notes

Anaerobe Systems Brucella blood agar may be used for solid medium.

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 succinogenes* subsp. *succinogenes* (Hungate) Montgomery et al. (ATCC 19169)

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References

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

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