Clostridium perfringens (Veillon and Zuber) Hauduroy et al.

BAA-1482™

Description

Strain designation: Strain 10,339; Type E
Type strain: No

Storage Conditions

Product format: Frozen

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 2

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 2107: Modified Reinforced Clostridial
Temperature: 37°C
Atmosphere: Anaerobic

Handling Procedures

1. Sterilize the top of the Balch tube by spraying it with 70% ethanol and then flaming the top.

2. Exchange the gas in balch test tube for 100% nitrogen; do not pressurize over 5 psi.

3. Prepare tubes for inoculation by adding 0.1 ml of reducing agent (3% Cysteine stock solution) per 5 to 10 ml of medium. Let the medium sit at room temperature

for at least 1 hour before inoculating.

4. Thaw the frozen vial under a gentle stream of anaerobic gas. Using an anaerobic (see B) 1.0 ml syringe tipped with 22-gauge needle, withdraw the cell suspension from the vial and transfer to the tube of ATCC® #2107 medium. Transfer 0.5 ml of the inoculated culture to a second tube of ATCC® medium #2107. Plate 0.1 ml of the inoculated culture onto a non-selective medium and incubate the plate aerobically at 37ºC. Plate 0.1 ml of the inoculated culture onto anaerobic #260 agar and incubate the plate anaerobically at 37ºC. Incubate culture tubes at 37ºC.

5. Growth should be detected in the broth within 24 to 48 hours. Faint growth maybe detected on aerobic plates but this growth can not be transferred.

Notes

Cells are gram positive rods. Cells occur singly and in pairs and short chains. Colonies on blood agar (#260) are large, flat, creamy, and spreading with irregular edges. Endospores not detected. 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: *Clostridium perfringens* (Veillon and Zuber) Hauduroy et al. (ATCC BAA-1482)

References

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

Warranty

Clostridium perfringens (Veillon and Zuber) Hauduroy et al.

BAA-1482

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Revision

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