Clostridium frigoris Spring et al.

BAA-579™

Description

Strain designation: DSM 14204 [D-1/D-an/II]
Deposited As: *Clostridium frigoris* Spring et al.
Type strain: Yes

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 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 1490: Modified chopped meat medium
Temperature: 4°C
Atmosphere: Anaerobic

Handling Procedures

1. This culture must be propagated under strictly anaerobic, conditions (*see below*).

2. Open the frozen vial and immediately place the vial under a stream of sterile gas, to maintain anaerobicity.

3. Under anaerobic conditions, withdraw the cell suspension from the vial and transfer it to a single test tube of ATCC #1490 broth.

4. A second broth tube, a slant and a pre-reduced blood plate may be inoculated with 0.1 ml each of the cell suspension. Also inoculate a non-selective plate and tube of broth to test for the presence of aerobic contaminates.

5. Incubate tubes and plate under anaerobic conditions at 4°C. Incubate aerobic plate(s) and broth tube(s) at 30ºC.

6. Within 9 to 12 days, growth is evident by turbidity in broth and in the inoculum at the base of the slant. No growth should occur on blood agar plates incubated aerobically.

ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by either of the following:

· Use of an anaerobic gas chamber, or

· Placement of test tubes under a gassing cannula system hooked to anaerobic gas.

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 previously prepared but stored under anaerobic conditions. Resazurin in the media is a color indicator for anaerobic conditions. Observance of pink color in medium before use or during incubation shows anaerobic conditions have not been met and oxidation has occurred. Medium should be discarded.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Clostridium frigoris* Spring et al. (ATCC BAA-579)

References

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

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Revision

This information on this document was last updated on 2025-10-02

Contact Information

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor