



Product Sheet

# *Clostridium frigidus* (ATCC® BAA-579™)

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: *Clostridium frigidus* (ATCC® BAA-579™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

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## Description

**Designation:** DSM 14204 [D-1/D-an/II]

**Deposited Name:** *Clostridium frigidus* Spring et al.

## Propagation

### Medium

ATCC® Medium 1490: Modified chopped meat medium

### Growth Conditions

**Temperature:** 4.0°C

**Atmosphere:** Anaerobic

### Propagation Procedure

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

## References

References and other information relating to this product are available online at [www.atcc.org](http://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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### **Disclaimers**

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

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

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