



Product Sheet

Campylobacter jejuni *subsp. jejuni* (ATCC® 700819™)

Please read this **FIRST**



Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section



Biosafety Level
2

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: *Campylobacter jejuni subsp. jejuni* (ATCC® 700819™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: NCTC 11168

Product Description: Genome sequencing strain.

Propagation

Medium

ATCC® Medium 18: Trypticase Soy Agar/Broth

ATCC® Medium 1115: Brucella albimi broth

ATCC® Medium 177: Fluid thioglycollate medium

ATCC® Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

Growth Conditions

Temperature: 37°C

Atmosphere: Microaerophilic (3% to 5% O₂ – 10% CO₂)

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #18, #1115, or #177 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.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #260 agar slant and/or plate. To obtain a biphasic culture, add 0.6 mL of the suspension to a #260 agar slant (*see notes*).
5. Incubate tubes and plate at 37°C, under microaerophilic conditions, for 24 to 48 hours. Use an anaerobe jar with an active catalyst and a microaerophilic gas generator pack, or other acceptable method. Incubate tubes with caps loose.

Notes

Fluid Thioglycollate tube may be incubated aerobically.

This is a slow growing organism that requires moist conditions for best growth. A biphasic culture will give the most rapid growth. Growth at the broth/agar interface of the biphasic slant should occur within one or two days. To observe growth, examine a wet mount of the broth under phase microscopy. The organism is a Gram negative rod, small, curved to spiral, and motile. Motility is observed best in young cultures. Spherical cells are often seen in old cultures.

Growth on agar takes longer than with the biphasic culture. Once good growth is present, these organisms tend to lose viability, especially if exposed to air for lengthy periods. Colonies on #260 agar are smooth, butyrous, circular, convex, and entire. Some variation may occur in size and opacity.

The cells do not Gram stain well using traditional procedures. To obtain the best results, use a basic fuchsin counterstain in place of the safranin.

Storage at liquid nitrogen temperatures, with 10% sterile glycerol as the cryoprotectant, is recommended for long-term preservation.

Purified genomic DNA of this strain is available as ATCC® 700819D-5™.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

References

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

Biosafety Level: 2

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.


ATCC Warranty




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700819™

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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

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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