



Product Sheet

Campylobacter jejuni *subsp. jejuni* (ATCC® 43438™)

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® 43438™)

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: MK1

Deposited Name: *Campylobacter jejuni* subsp. *jejuni* (Jones et al.) Veron and Chatelain

Antigenic Properties: Serotype O:10

Propagation

Medium

ATCC® Medium 177: Fluid thioglycollate medium

ATCC® Medium 18: Trypticase Soy Agar/Broth

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

Growth Conditions

Temperature: 37°C

Atmosphere: Microaerophilic, 3-5% O₂ – 10% CO₂

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #1115, #177, or #18 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a Pasteur or 1.0 mL pipette. Rehydrate the pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #260 slant, and/or plate.
5. Or, to obtain a biphasic culture, add 0.5 mL of the suspension to a #260 agar slant (*see notes*).
6. 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 slant with cap loose.

Notes

This is an organism that requires moist conditions for best growth. A biphasic culture gives the most rapid growth. Growth at the broth/agar interface of the biphasic slant should occur within one to two days, but little turbidity will be seen. To observe growth, examine a wet mount of the broth under phase microscopy. The organism is a short, thin motile rod. Motility is usually observed only in young 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.

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.

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Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet,



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***subsp. jejuni* (ATCC®**
43438™)

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