



# *Campylobacter mucosalis* (Lawson)

## 1.

### 9354™

## Description

- **Strain designation** NCTC 11420 [512/77]
  - **Deposited As** *Campylobacter sputorum* subsp. *mucosalis* (Lawson and Rowland) Lawson et al.
  - **Type strain** No
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## Storage Conditions

- **Product format** Freeze-dried
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## 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.

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## 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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

- **Medium**  
[ATCC Medium 1645: Trypticase soy agar with 5% defibrinated sheep blood, formate and fumarate](#)
  - **Temperature** 37°C
  - **Atmosphere** Anaerobic
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## Handling Procedures

1. Add formate/fumarate supplement to all media to be used, as described above.
  2. Open vial according to enclosed instructions.
  3. Withdraw 0.5 ml from a single tube of #1540 broth and rehydrate the pellet.
  4. Aseptically transfer this aliquot back into the broth tube. An agar slant and /or plate of medium #1645 and additional broth tubes may be inoculated with 0.1 ml each of this suspension.
  5. Incubate the broth tubes, slants, and plates at 37°C under anaerobic conditions. You may use an anaerobe jar with catalyst and gas generator pack or other suitable means of producing anaerobic conditions. Be sure caps are loosen to facilitate gas exchange.
  6. Initially, 3 to 7 days of incubation are required before visible growth is evident. A slight turbidity is seen in the broth; and small, clear, circular, convex, entire, smooth colonies on agar. Cells are medium, curved to spiral, motile, Gram negative rods.
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## Notes

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The cells do not Gram stain well using traditional procedures. For 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.

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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Campylobacter mucosalis* (Lawson et al.) Roop et al. (ATCC 49354)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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