



Campylobacter showae Etoh et al.

51146™

Description

Type strain. Genome sequencing strain.

Strain designation: SU-A4 [CCUG 30254]

Deposited As: *Campylobacter showae* Etoh et al.

Type strain: Yes

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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 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.

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 1540: Brucella broth with formate and fumarate

ATCC Medium 1645: Trypticase soy agar with 5% defibrinated sheep blood, formate and fumarate

Temperature: 37°C

Atmosphere: Anaerobic

Handling Procedures

1. Add Formate/Fumarate Supplement to all media to be used as described in the notes section.
2. Open vial according to enclosed instructions.
3. Under anaerobic conditions, thaw vial and transfer entire contents to a single

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tube of #1540 broth.

4. Additional broth can be inoculated using 0.2 mL of this cell suspension per tube. A slant and plate of #1645 may also be inoculated with 0.1 mL each of the cell suspension. An aerobic blood plate may also be streaked to check for purity.
5. Incubate the broth tubes, slants, and plates at 37°C under anaerobic conditions. Incubate aerobic blood plate at 37°C.
6. 1-2 days of incubation are required before visible growth is evident. Initial growth may take up to 7 days. No growth should be seen on the aerobic plate.

ANAEROBIC CONDITIONS:

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

- Use of an anaerobic gas chamber.
- 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
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

Notes

*Formate/Fumarate Supplement:

Prepare a solution containing sodium formate and fumaric acid at a concentration of 6% each in distilled water; adjust pH to 7.0, and filter sterilize.

Prior to inoculation, add 0.25 mL of this solution to each 5.0 mL broth tube. Also add 0.25 mL to each agar slant and agar plate. Use a loop to spread the Formate and Fumarate solution over the agar surface of the plate until dry, and then inoculate with the organism.

Always use freshly prepared prereduced media or prereduced media that has been

previously prepared but stored under anaerobic conditions.

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

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Campylobacter showae* Etoh et al. (ATCC 51146)

References

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

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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
