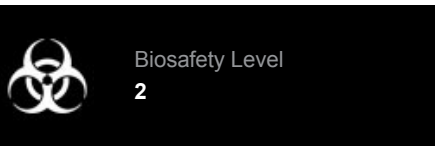
ATCC

Product Sheet

Helicobacter canis (ATCC® 51401™)

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: *Helicobacter canis* (ATCC® 51401™)

Description

Designation: NCTC 12739
Deposited Name: *Helicobacter canis* Stanley et al.

Propagation

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

Growth Conditions
Temperature: 37.0°C
Atmosphere: Microaerophilic

Propagation Procedure
1. Open vial according to enclosed instructions. Thaw and aseptically transfer the entire contents of the vial to a tube of fresh #18 broth (5 to 6 ml). Mix well.
2. To obtain a biphasic culture, add 0.5 ml of the suspension to a #260 slant. Add remaining 0.1 ml of the suspension to a #260 plate and streak for isolation.
3. Incubate at 37°C under microaerophilic conditions using an anaerobe jar with an active catalyst and a microaerophilic gas generator pack, or other acceptable method, to obtain microaerophilic conditions. Incubate slant with cap loose.
4. Within three to five days of incubation, good growth should be obtained in the broth pool at the bottom of the slant. Additional incubation may be required for colonies to appear on the plate. Further subcultures can be made using broth pool as the inoculum source.

Notes

This is a slow growing organism that requires moist conditions for best growth. Growth at the broth/agar interface of the biphasic slant should occur within 3-5 days. To observe growth, examine a wet mount of the broth under phase microscopy.

The organism is a thin, spiral, motile rod that is often difficult to see unless in a heavy suspension. If the cells do not Gram stain well using traditional procedures, use a basic fuchsin counterstain in place of the safranin.

Growth on agar takes longer than with the biphasic culture. Colonies are small, non-pigmented, entire, and flat with slight spreading.

Once good growth in obtained, transfer or freeze the culture. Adding an equal amount of 20% sterile glycerol to pooled broth from several biphasic slants, followed by freezing in liquid nitrogen or ultra-low temperature freezer is recommended.

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

American Type Culture Collection
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www.atcc.org

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

Or contact your local distributor

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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

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