ATCC

Product Sheet

# *Helicobacter mustelae* (ATCC® 43772™)

**Please read this FIRST**

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: *Helicobacter mustelae* (ATCC® 43772™)

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:** R85-13 6P
**Deposited Name:** *Campylobacter pylori* subsp. *mustelae* Fox 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. Rehydrate contents of vial with 0.5 ml of Trypticase Soy Broth.
1.
2. To obtain a biphasic culture, add 0.4 ml of the suspension to a #260 slant. Add remaining 0.1 ml of the suspension to a #260 plate and streak for isolation.
2.
3. Incubate at 37°C under microaerophilic conditions using an anaerobe jar with an active catalyst and a C*ampylobacter* microaerophilic gas generator pack, or other acceptable method, to obtain microaerophilic conditions. Incubate slant with cap loose.
4. After 72 hours you should observe small colonies on the surface of the agar plate and slant. There should be heavy growth in the liquid portion of the biphasic slant. Additional incubation may be required, especially on initial culture. Use liquid portion of biphasic culture for transfers.
4.

## Notes

This strain grows slowly and requires moist conditions for best growth. Growth at the broth/agar interface of the biphasic slant should occur within 2 to 3 days. To observe growth, examine a wet mount of the broth under phase microscopy. The organism is a medium size, regular to slightly curved motile bacillus.

Growth on the agar plate will take longer than the biphasic culture. Colonies are small, entire, convex, smooth, and gray.

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

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.

See also *Helicobacter* species, General Procedures in ATCC Bacteria and Bacteriophages, 19th edition, 1996, p.471.

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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longer valid.

## Disclaimers

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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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