



Product Sheet

# *Mycoplasma hominis* (ATCC® 27545™)

Please read this FIRST



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**

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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: *Mycoplasma hominis* (ATCC® 27545™)

## Description

**Designation:** LBD-4

**Deposited Name:** *Mycoplasma hominis* (Freundt) Edward

## Propagation

### Medium

ATCC® Medium 243: Mycoplasma medium

### Growth Conditions

**Temperature:** 37°C

**Atmosphere:** 5% CO<sub>2</sub>

### Propagation Procedure

1. Follow instructions as suggested for the culturing of Mollicutes:

#### PROCEDURES FOR PROPAGATING MOLLICUTES:

- a. Open the vial according to the enclosed instructions.
  - b. Using a Pasteur or 1.0 mL pipette, withdraw approximately 0.5 to 1.0 mL from a tube containing 5.0 mL. Rehydrate the pellet.
  - c. Aseptically transfer this aliquot back into the tube. Mix well.
  - d. Make serial dilutions by transferring 0.5 mL from the original tube to a tube containing 4.5 mL. Repeat process by transferring 0.5 mL from the second to a third tube, etc. Dilutions are important, not only for titration purposes, but also to keep culture in varying stages of growth. Many strains will die out rapidly once acid or alkaline conditions are reached. It is recommended to prepare several dilutions from the initial tube, as the cryoprotectant used in the freeze drying process often inhibits growth.
  - e. Use an uninoculated tube of broth to serve as a control.
  - f. Plates may be inoculated to check colony morphology. You can also spot each dilution on the surface of plate (4 or more/plate) to determine the number of colony forming units. However, not all strains do well on solid medium.
  - g. Incubate all tubes and plates under the recommended conditions and appropriate temperature. The time necessary for growth will vary from strain to strain. Growth on plates generally requires additional incubation.
  - h. Depending on the medium used, growth is indicated by increased turbidity, a color change, or both.
2. This strain starts to show turbidity in the first few dilution tubes within 48 to 72 hours. Additional incubation may be required for growth on solid medium.
  3. Subsequent, fresh transfers grow in 24-48 hours. The freeze drying process and the cryoprotectant occasionally slows the growth rate of the initial culture.

## Notes

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

## References

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