



# *Mycoplasma hyorhinis*

29052™

## Description

ATCC® CCL-10™ (BHK-21) cell culture or a specially formulated cell-free medium\* is suitable for propagation and maintenance. \*The following publication proposes a medium for the cultivation of this strain, but it has not yet been tested in our lab. Applied and Environmental Microbiology, Vol. 61(5), May 1995, p.1976-1979.

**Strain designation:** DBS 1050 [3T-6]

**Deposited As:** *Mycoplasma hyorhinis* Switzer

**Type strain:** No

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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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

**Temperature:** 37°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

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## Handling Procedures

1. BHK-21 cells (ATCC® CCL-10™) are grown in Eagles MEM with non-essential amino acids and Earle's BSS (90%), plus 10% Fetal Bovine Serum under 5% CO<sub>2</sub> (9 mL of the medium and 1 mL of FBS in 25 cm<sup>2</sup> plastic tissue culture T-flasks) for approximately three days.
2. When the cells appear to be at optimal condition, change to fresh medium.
3. For scaling up: once the monolayer of cell line is formed, remove the entire

medium; add 5 mL of PBS, then incubate for 5 minutes in atmosphere of 5% CO<sub>2</sub>. After 5 minutes, remove PBS and add 1 mL of trypsin, then incubate for 2 minutes at recommended atmosphere. After two minutes, add 5 mL of fresh medium to the flask, the monolayer begins to detach. Take the entire content out of the flask and place in a centrifuge tube and spin for 5 minutes at 2000 rpm. Remove supernatant and resuspend the pellet with 1 mL of the fresh medium. Inoculate the pellet into two 75 cm<sup>2</sup> plastic tissue culture T-flasks containing 22.5 mL of fresh medium and 10% FBS (2.5 mL) and incubate at recommended atmosphere for approximately three days.

4. Reconstitute a vial of ATCC® 29052™ with 2.0 mL of the culture medium, and add approximately 1.0 mL to each of two T-flasks of BHK-21 cells.
5. Incubate at 37°C under 5% CO<sub>2</sub> until the monolayers begin to detach. This will normally take three to five days. Additional time may be required when initially growing from the freeze-dried vial.
6. Pool the monolayers and medium from the flasks and centrifuge at 9000 rpm for 35 minutes.
7. Resuspend the pellet in a small amount of complete tissue culture medium. Additional passages may be made or cells prepared for storage. Either freeze the suspension by adding an equal amount of 20% glycerol, or freeze-dry using an appropriate cryoprotectant.

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## Notes

This strain is not maintained readily on conventional agar-broth media.

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: *Mycoplasma hyorhinis* (ATCC 29052)

## References

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

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## Revision

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## Contact Information

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***Mycoplasma hyorhinis***  
**29052**

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