



# *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

---

## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

---

## 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](http://www.atcc.org).

---

## Growth Conditions

**Temperature:** 37°C

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

---

## 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<sup>®</sup> 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.

---

## Notes

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

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

---

## 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).

---

## Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

---

## Disclaimers

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. Any proposed commercial use is prohibited without a license from ATCC.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate or complete and the customer bears the sole responsibility

of confirming the accuracy and completeness of any such information.

This product is sent on the condition that the customer is responsible for and assumes all risk and responsibility in connection with the receipt, handling, storage, disposal, and use of the ATCC product including without limitation taking all appropriate safety and handling precautions to minimize health or environmental risk. As a condition of receiving the material, the customer agrees that any activity undertaken with the ATCC product and any progeny or modifications will be conducted in compliance with all applicable laws, regulations, and guidelines. This product is provided 'AS IS' with no representations or warranties whatsoever except as expressly set forth herein and in no event shall ATCC, its parents, subsidiaries, directors, officers, agents, employees, assigns, successors, and affiliates be liable for indirect, special, incidental, or consequential damages of any kind in connection with or arising out of the customer's use of the product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

Please see the material transfer agreement (MTA) for further details regarding the use of this product. The MTA is available at [www.atcc.org](http://www.atcc.org).

---

## Copyright and Trademark Information

© ATCC 2023. All rights reserved.

ATCC is a registered trademark of the American Type Culture Collection.

---

## Revision

This information on this document was last updated on 2024-09-24

---

## Contact Information

ATCC

10801 University Boulevard

***Mycoplasma hyorhinis***

29052

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

---