ATCC

Product Sheet

Mycoplasma hyorhinis (ATCC® 29052™)

Please read this FIRST

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

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 hyorhinis* (ATCC® 29052™)

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: DBS 1050 [3T-6]
Deposited Name: *Mycoplasma hyorhinis* Switzer
Product 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 l995, p.1976–1979.

Propagation

Growth Conditions
Temperature: 37°C
Atmosphere: 5% CO_2
Recommended Host: BHK-21 (ATCC® CCL-10™)

Propagation Procedure

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_2 (9 mL of the medium and 1 mL of FBS in 25 cm^2 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_2. 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^2 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_2 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® 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.

ATCC Warranty

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no

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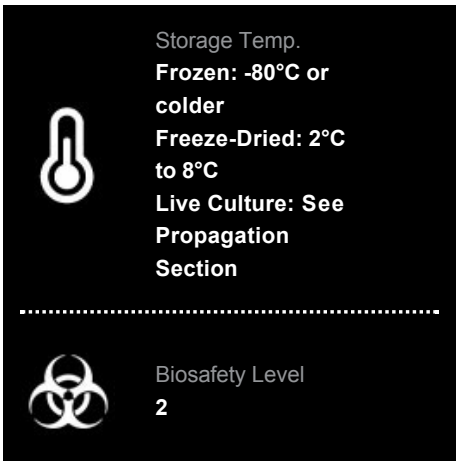

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longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.
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.
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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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