



Product Sheet

Mycoplasma orale (ATCC® 23714-TTR™)

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 orale* (ATCC® 23714-TTR™)

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: CH 19299 [NCTC 10112]

Propagation

Medium

ATCC® Medium 243: Mycoplasma medium

Growth Conditions

Temperature: 37°C

Atmosphere: Anaerobic

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 2.25 mL. Rehydrate the entire pellet.
 - c. Aseptically transfer this aliquot back into the tube. Mix well.
 - d. Make serial dilutions by transferring 0.25 mL from the original tube to a tube containing 2.5 mL. Repeat process by transferring 0.25 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. 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.
 - f. 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.
 - g. Depending on the medium used, growth will be indicated by increased turbidity, a color change, or both.
2. Tubes and plates are incubated under anaerobic conditions using an anaerobe jar or other appropriate method. The incubation temperature is 37°C.
 3. Medium to light turbidity will appear in the first few dilution tubes within 72 hour to 7 days. Colonies generally appear on solid medium within 7 days.
 4. Subsequent, fresh transfer will grow more rapidly than the original rehydrated culture; but usually still requires 48 hours between transfers.

ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by either of the following:

- Use of an anaerobic gas chamber, or
- Placement of test tubes under a gassing cannula system connected to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:

- Loose screw caps on test tubes in anaerobic chamber,
- Loose screw caps on test tubes in an activated anaerobic gas pack jar, or
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

Notes

Store vials at freezer temperatures until ready to use.

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



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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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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

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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