



Product Sheet

# *Mycoplasma synoviae* (ATCC® 25204™)

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 synoviae* (ATCC® 25204™)

## Description

**Designation:** WVU 1853 [NCTC 10124]

**Deposited Name:** *Mycoplasma synoviae* Olson et al. emend. Jordan et al.

**Product Description:** Type strain

## Propagation

### Medium

ATCC® Medium 2764: SP4-Z Medium

### Growth Conditions

**Temperature:** 37°C

**Atmosphere:** Broth: Aerobic, Plates: 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 2.5 mL. Rehydrate the entire pellet.
  - c. Aseptically transfer this aliquot back into the tube. Mix well.
  - d. Perform a serial dilution by making 1:10 dilutions in broth. 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 0.1 mL of 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 will be indicated by increased turbidity, a color change, or both.
2. This strain will show turbidity and a color shift from red to orange in the first dilution tube in 72+ hours. Additional incubation of 5-7 days may be required for growth on agar.
  3. Subsequent fresh transfers will grow more rapidly than the original rehydrated culture. This strain produces light turbidity.

## 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](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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Or contact your local distributor



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function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

### Disclaimers

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

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