



Mycoplasma synoviae Olson et al. emend. Jordan et al.

25204™

Description

Mycoplasma synoviae strain WVU 1853 [NCTC 10124] is a whole-genome sequenced type strain that was isolated from the hock joint of a chicken. This bacterial culture has applications in agricultural research, media testing, quality control, and pharmaceutical testing.

Strain designation: WVU 1853 [NCTC 10124]

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

Type strain: Yes

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.

Growth Conditions

Medium:

ATCC Medium 2764: SP4-Z Medium

Temperature: 37°C

Atmosphere: Broth: Aerobic; Plates: 10% CO₂

Handling Procedures

1. Follow instructions as suggested for the culturing of Mollicutes:

PROCEDURES FOR PROPAGATING MOLLICUTES:

- a. 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.
 - b. Aseptically transfer the entire aliquot back into the tube. Mix well.
 - c. Perform 1:10 serial dilutions in broth. Many strains will die out rapidly once acid or alkaline conditions are reached. It is recommended to prepare several dilutions from the initial tube to keep the culture in various stages of growth and to prevent inhibition of growth by the cryoprotectant used in the freeze-drying process.
 - d. Use an uninoculated tube of broth to serve as a control.
 - e. Plates may be inoculated to check colony morphology. Spot 0.1 mL of each dilution on the surface of a plate to determine the number of colony-forming units. Not all strains do well on solid medium.
 - f. Incubate all tubes at 37°C aerobically for 48 to 72 hours. Incubate plates at 37°C in 10% CO₂ for 7 to 10 days.
 - g. This strain will show light turbidity in broth. ATCC medium #2764 does not contain a pH indicator, therefore, there will not be a significant change in color. Colonies are pinpoint, clear and glistening.
2. Subsequent fresh transfers may grow more rapidly than the original rehydrated culture.
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Notes

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

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Mycoplasma synoviae* Olson et al. emend. Jordan et al. (ATCC 25204)

References

References and other information relating to this material are available at www.atcc.org.

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