# *Spiroplasma citri* Saglio et al.

29747™

## Description

This strain of *Spiroplasma citri* was isolated from aster-yellows-diseased lettuce in New Jersey. This bacterium is in Group I, subgroup 1 and is grown aerobically on mycoplasma medium.

**Deposited As:** *Spiroplasma citri* Saglio et al.

**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 1

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 675: Mycoplasma medium
**Temperature:** 30°C
**Atmosphere:** Aerobic

## Handling Procedures

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 0.25 to 0.50 ml

from a tube containing 2.50 mL of broth. 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 2.25 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 the culture in varying stages of growth.
   Note: 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 colonial 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. Broths should incubated aerobically and plates should be incubated in 5% $CO_2$.

## Notes

Broth tubes may be incubated aerobically, but plates may be incubated under 5% $CO_2$ or in a candle jar.

This strain produces good turbidity. Additional incubation may be required for growth on solid agar.

Colonies on ATCC Medium #675 agar are visible without magnification.

## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Spiroplasma citri* Saglio et al. (ATCC 29747)

## References

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

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## Revision

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