

Mycoplasma gallisepticum Edward

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Description

Mycoplasma gallisepticum strain [NCTC 10115, PG 31, X95] is bacterial type strain that was isolated from a suspension of tracheal and airsac tissues from chickens with chronic respiratory disease. This product has applications in media testing, quality control, and agricultural research.

- **Strain designation** [NCTC 10115, PG 31, X95]
- **Deposited As** *Mycoplasma gallisepticum* Edward and Kanarek
- **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

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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 submerged 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 243: Mycoplasma medium](#)
 - **Temperature** 37°C
 - **Atmosphere** 95% Air, 5% CO₂
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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. Rehydrate the entire pellet with approximately 0.25 mL of #243 broth. Aseptically transfer the entire contents to primary tube containing 2.25mL of #243 broth. Make serial dilutions by transferring 0.25mL from the primary tube to second to third tube, etc.
- c. 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.
- d. Incubate broth tubes at 37°C, aerobic, and the plates at 37°C 5% CO₂ for 3-7 days.
- e. Depending on the medium used, growth will be indicated by increased turbidity, a color change, or both.
- f. Inoculate a Trypticase Soy Agar with 5% Defibrinated Sheep Blood plate with 0.1 mL to check for contamination.
- g. This strain starts to show growth in the first few dilution tubes within 72 hours.

- Additional incubation may be required for growth on solid medium.
- h. Subsequent, fresh transfers grow in 24-48 hours. The freeze-drying process and the cryoprotectant occasionally slows the growth rate of the initial culture.
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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.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Mycoplasma gallisepticum* Edward and Kanarek (ATCC 19610)

References

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

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Revision

This information on this document was last updated on 2024-09-18

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