



Product Sheet

Legionella londiniensis

(ATCC® 49505™)

Please read this **FIRST**



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: *Legionella londiniensis* (ATCC® 49505™)

Description

Designation: 1477

Deposited Name: *Legionella londiniensis* Dennis et al.

Propagation

Medium

ATCC® Medium 1099: CYE (Charcoal Yeast Extract) Buffered Medium

Growth Conditions

Temperature: 35.0°C

Atmosphere: 5% CO₂

Propagation Procedure

1. Immediately prior to working with the culture place the frozen vial at room temperature to thaw.
2. **Aseptically transfer the entire contents of the vial into a single broth tube (5-6 ml) of #1099 broth. Mix well. Additional tubes can be inoculated by transferring 0.1 ml to slants and 0.5 ml to broth tubes.**
3. Use several drops of the suspension to inoculate a #1099 plate.
4. Incubate the tubes and plates at 37°C in an atmosphere of 5% CO₂ for two to four days. Loosen the screw caps during the incubation period.

Notes

Strain shows growth by uniform turbidity throughout the broth. Colonies are glistening, smooth, white and mucoid.

Legionella species are nutritionally fastidious and are inhibited by media of poor caliber, so strict attention should be paid to the quality of the ingredients. The pH of the medium should be checked when cool, and is most critical. Unbuffered medium should not be used. Exposure of medium to light, particularly when hot, may also result in the accumulation of peroxides, which can be inhibitory to the bacteria.

Before rehydration, vials may be stored at +2 to +8°C for extended periods with minimal loss of viability. Subculturing to maintain culture is discouraged because of the possibility of mutation, selection of variants, or contamination. To minimize changes, it is recommended that cells be harvested and stored at -70°C or below.

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 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.

ATCC Warranty

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Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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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

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