



Product Sheet

# *Legionella pneumophila* (ATCC® 700711™)

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: *Legionella pneumophila* (ATCC® 700711™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

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## Description

**Designation:** CA1

**Deposited Name:** *Legionella pneumophila* Brenner et al.

**Antigenic Properties:** Serogroup 1

## Propagation

### Medium

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

### Growth Conditions

**Temperature:** 37°C

**Atmosphere:** 5% CO<sub>2</sub> in humidity

### Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #1099 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a Pasteur or 1.0 mL pipette. Rehydrate the pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate an agar slant and/or plate.
5. Incubate at 37°C in an atmosphere of 5% CO<sub>2</sub> for 48-72 hours.

## Notes

Strain shows growth by turbidity in the supernatant portion of the broth.

*Legionella* sp. is nutritionally fastidious and is 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](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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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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