**Product Sheet**

**Legionella pneumophila subsp. pneumophila (ATCC® 33152™)**

**Please read this FIRST**

**Description**
- **Designation:** Philadelphia-1
- **Deposited Name:** Legionella pneumophila subsp. pneumophila Brenner et al.
- **Product Description:** Type strain. Genome sequencing strain. Fluorescent antibody serogroup 1. Used in media testing.

**Propagation**

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

**Growth Conditions**
- **Temperature:** 37°C
- **Atmosphere:** 5% CO₂

**Propagation Procedure**
1. Open vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Rehydrate the entire pellet with approximately 0.5 mL of #1099 broth. Aseptically transfer the entire contents to a 5-6 mL tube of #1099 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary broth tubes.
3. Use several drops of the primary broth tube to inoculate a #1099 plate and/or #1099 agar slant.
4. Incubate at 37°C for 48-72 hours in an atmosphere of 5% CO₂.

**Notes**

*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.

Purified genomic DNA of this strain is available as ATCC® 33152D-5™.

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](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.

**ATCC Warranty**

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

**Disclaimers**

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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.

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

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