Strain: AR-39
Classification: Chlamydiaceae, Chlamydophila
Original Source: Throat of university student with acute pharyngitis, Seattle, WA, 1983
Depositor: Washington Research Foundation

**Batch-Specific Information**
Refer to the Certificate of Analysis for batch-specific test results.

**Propagation**

Propagation Host:
HEp-2 (ATCC® CCL-23™)

Effect on Host:
Intracellular inclusion bodies visualized by fluorescent staining with genus or species specific monoclonal antibodies or Giemsa.

Medium:
DMEM (ATCC® 30-2002™) + 10% prescreened FBS + 10 mM HEPES + 2 µg/mL cycloheximide

Growth Conditions
Temperature: 35°C

Recommendations for Infection:
Plate cells 16-24 hours prior to infection and infect when cultures are 80-90% confluent. Disrupt cells in the inoculum by sonicking for 20 seconds at approximately 240W or by adding glass beads to the inoculum and vortex mixing. Remove medium and inoculate with disrupted material. Centrifuge at 2,300 - 2,400 x g at 20°C for 1 hour. End adsorption by adding agent growth medium. Incubation: 3 days at 35°C in a humidified 5% CO₂ atmosphere.

Activities with high potential for aerosol production require Biosafety Level 3 facilities and practices. The inclusions are iodine stain negative (contain no glycogen). The TWAR strains of Chlamydia are named after TW183 and AR39. This material is cited in a U.S. and/or other Patent Application and may not be used to infringe the patent claims.

**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: *Chlamydophila pneumoniae* (ATCC® 53952™)

**References**
References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

**Key Abbreviations**

°C, degrees Celsius
CO₂ (CO2), carbon dioxide
DMEM, Dulbecco's Modified Eagles' Medium
FBS, fetal bovine serum
HEPES, N-(2-Hydroxyethyl)piperazine-N'-2-ethanesulfonic acid

**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**
The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. 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 strain. If an alternative medium
formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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

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