



Chlamydia pneumoniae Grayston et al.

53592™

Description

Chlamydia pneumoniae strain AR-39 was isolated from the throat of an infected human with acute pharyngitis in Seattle, Washington. This bacterial strain is propagated in HEp-2 cells (ATCC CCL-23) and has applications in respiratory disease research.

Strain designation: AR-39

Deposited As: *Chlamydia pneumoniae*

Type strain: No

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Patent number:

5,350,673

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Storage Conditions

Product format: Frozen

Storage conditions: -70°C or colder

Intended Use

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BSL 2

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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

Host: HEp-2 (ATCC CCL-23)

Effects: CPE; cytoplasmic inclusions

Complete medium:

DMEM (ATCC 30-2002) + 10% prescreened FBS + 10 mM HEPES + 2 µg/mL

Cycloheximide

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 sonicating 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

Handling Procedures

Mycoplasma contamination: Not detected

Notes

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.

Key Abbreviations: °C, Degrees Celsius; CO₂, Carbon dioxide; DMEM, Dulbecco's Modified Eagle's Medium; FBS, Fetal bovine serum; HEPES, N-(2-Hydroxyethyl)piperazine-N'-(2-ethanesulfonic acid)

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Chlamydia pneumoniae* Grayston et al. (ATCC 53592)

References

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

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