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

Patent depository: This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.

Patent number:

5,350,673

Technical information: ATCC Technical Services does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

Storage Conditions

Product format: Frozen

Storage conditions: -70°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

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; CO_2, 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.

Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

Disclaimers

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use. Any proposed commercial use is prohibited without a license from ATCC.

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 or complete and the customer bears the sole responsibility

of confirming the accuracy and completeness of any such information.

This product is sent on the condition that the customer is responsible for and assumes all risk and responsibility in connection with the receipt, handling, storage, disposal, and use of the ATCC product including without limitation taking all appropriate safety and handling precautions to minimize health or environmental risk. As a condition of receiving the material, the customer agrees that any activity undertaken with the ATCC product and any progeny or modifications will be conducted in compliance with all applicable laws, regulations, and guidelines. This product is provided 'AS IS' with no representations or warranties whatsoever except as expressly set forth herein and in no event shall ATCC, its parents, subsidiaries, directors, officers, agents, employees, assigns, successors, and affiliates be liable for indirect, special, incidental, or consequential damages of any kind in connection with or arising out of the customer's use of the product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

Please see the material transfer agreement (MTA) for further details regarding the use of this product. The MTA is available at www.atcc.org.

This material is cited in a US and/or international patent and may not be used to infringe the claims. Depending on the wishes of the Depositor, ATCC may be required to inform the Depositor of the party to which the material was furnished.

Copyright and Trademark Information

Revision

This information on this document was last updated on 2024-08-23

Contact Information

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor