ATCC

Product Sheet

Chlamydophila pneumoniae (ATCC® VR-1360™)

Please read this FIRST

Storage Temp.
-70°C or colder

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: *Chlamydophila pneumoniae* (ATCC® VR-1360™)

Description

Strain: CM-1
Classification: *Chlamydiaceae, Chlamydophila*
Original Source: Sputum of pneumonia patient, Georgia
Depositor: KH Wong, Centers for Disease Control and Prevention

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 glycogen negative inclusion bodies visualized by fluorescent staining

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

Growth Conditions
Temperature: 36°C
Recommendations for Infection: Plate cells 24 hours prior to infection and infect when cultures are 80-95% confluent. Vortex material with 1mm glass beads to disrupt cells. Remove cell growth medium and inoculate with disrupted material. Centrifuge at 1500 x *g* at 25°C for 1 hour. End adsorption by adding agent growth medium.
Incubation: 3 days

Comments

Suggested protocol for propagation: Add glassbeads and vortex preparation to disrupt cells. Infect monolayer with disrupted material. Centrifuge at 3000 x rpm (750 x *g*) for 1 hour. Feed with fresh growth medium containing FBS prescreened for *Chlamydia* antibodies and 1-2 µg/ml cycloheximide. Incubate at 36°C for 72 hours.

References

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

Key Abbreviations

CO_2(CO2), carbon dioxide
°C, degrees Celsius
DMEM, Dulbecco's Modified Eagle's 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

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PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

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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.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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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