



Product Sheet

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

American Type Culture Collection
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

Description

Strain: CM-1

Classification: *Chlamydiaceae*, *Chlamydomophila*

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

CO₂(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 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




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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

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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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