



Product Sheet

# *Chlamydia trachomatis* (ATCC® VR-573™)

## Please read this FIRST

Storage Temp.  
**-70°C or colder**

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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: *Chlamydia trachomatis* (ATCC® VR-573™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
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Or contact your local distributor

## Description

**Strain:** Trachoma type B strain HAR-36

**Classification:** *Chlamydiaceae*, *Chlamydia*

**Original Source:** Human conjunctiva from a 12 month old male with trachoma (trachoma II follicles and papillae), Saudi Arabia.

**Depositor:** RL Nichols

## Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

## Propagation

### Propagation Host:

McCoy (ATCC® CRL-1696™)

### Effect on Host:

Intracellular inclusion bodies visualized by fluorescent staining with genus or species specific conjugated antibodies

### Medium:

DMEM (ATCC® 30-2002™) + 10% prescreened FBS + 10 mM HEPES + 2 mg/mL Cycloheximide (Sigma C-4859 Ready-Made)

### Growth Conditions

**Temperature:** 37°C

**Recommendations for Infection:** For best results cells should be 24 to 48 hours old and 90-100% confluent.

**Incubation:** Incubate 48 to 72 hours, a 5% CO<sub>2</sub> in air atmosphere is recommended.

## Comments

FBS used to culture *Chlamydia* must be prescreened to verify that the serum does not contain antibodies to *Chlamydia* or other factors that would interfere with growth.

Note that activities with high potential for aerosol production require BSL 3 facilities and practices. Toxic for white mice in 1-24 hours when given i.v. Antigenic type 2. 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 mg/mL cycloheximide. Incubate at 35°C for 3 days.

## 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

CO<sub>2</sub> (CO2), carbon dioxide

CPE, cytopathic effect

DMEM, Dulbeccos Modified Eagles Medium

FA, fluorescent antibody

FBS, fetal bovine serum

g, acceleration of gravity

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



Product Sheet

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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**

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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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).  
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