



Product Sheet

# *Chlamydia trachomatis* (ATCC® VR-1477™)

Please read this FIRST



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## 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-1477™)

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:** TW-3 [Trachoma type C strain TW-3]  
**Classification:** *Chlamydiaceae*, *Chlamydia*  
**Original Source:** Specimen from human conjunctiva, Taiwan  
**Depositor:** Kuo

## Batch-Specific Information

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

## Propagation

### Propagation Host:

HEp-2 cells (ATCC® CCL-23™)  
McCoy cells (ATCC® CRL-1696™)

### Effect on Host:

Requires FA to visualize intracellular inclusion bodies

### Medium:

DMEM (ATCC® 30-2002™) + 10% prescreened-FBS + 2 µg/mL Ready Made Cycloheximide (Sigma C-4859 100 mg/mL) + 1.0 mL of 1M HEPES (Invitrogen/Gibco 15630-106)

### Growth Conditions

**Temperature:** 37°C

**Recommendations for Infection:** Add glass beads 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 1-2mg/mL cycloheximide. Incubate at 37°C for 48 to 72 hours, a 5% CO<sub>2</sub> in air atmosphere is recommended.

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## 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.

VR-1477™ is a TC-adapted version of the TW-3 strain that was previously grown in embryonated chicken eggs (VR-578). Biosafety level 3 facilities and practices are indicated for activities with high potential for droplet or aerosol production, CDC BMBL 4<sup>th</sup> edition.

## 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  
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

## ***Chlamydia trachomatis*** **(ATCC® VR-1477™)**

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	Storage Temp. <b>-70°C or colder</b>
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	Biosafety Level <b>2</b>

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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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