**Product Sheet**

*Chlamydia trachomatis* (ATCC® VR-879™)

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: *Chlamydia trachomatis* (ATCC® VR-879™)

**Description**

**Strain:** Trachoma type H strain UW-43/Cx  
**Classification:** Chlamydiaceae, Chlamydia  
**Original Source:** Human cervix (epithelial tissue), cervicitis, Seattle, WA, 1971  
**Depositor:** SP Wang

**Batch-Specific Information**

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

**Propagation**

**Propagation Host:**  
McCoy cells (ATCC® CRL-1696™)

**Effect on Host:**  
Intracellular inclusion bodies visualized by fluorescent staining with genus or species specific monoclonal antibodies or Giemsa

**Medium:**  
DMEM (ATCC® 30-2002™) + 10% prescreened FBS + 10 mM HEPES + 2 µg/mL Ready-Made Cycloheximide (Sigma C-4859 100 mg/mL)

**Growth Conditions**

**Temperature:** 36°C  
**Recommendations For Infection:** For best results cells should be 24 to 48 hours old and 80-90% confluent (not 100% confluent).  
**Incubation:** 3 days, a 5% CO₂ in air atmosphere is recommended

**Comments**

Note that activities with high potential for aerosol production require BSL 3 facilities and practices. Add glass beads and vortex preparation to disrupt cells. Infect monolayer with disrupted material. Centrifuge at 3000 rpm (750 x g) for one hour. Feed with fresh growth medium containing FBS prescreened for Chlamydia antibodies and 1-2 µg/mL cycloheximide. Incubate at 36°C for 3 days.

Next-generation sequencing (NGS) at ATCC on the McCoy cell line (ATCC® CRL-1696™) used as the host has shown the presence of Mus Musculus mobilized endogenous polytropic provirus and Murine leukemia virus.

**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  
CO₂ (CO2), carbon dioxide  
DMEM, Dulbecco's Minimum Essential Medium  
FBS, fetal bovine serum  
g, acceleration due to gravity  
HEPES, N-(2-Hydroxyethyl)piperazine-N’-(2-ethanesulfonic acid)  
rpm, revolutions per minute

**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 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.

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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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