



Chlamydia trachomatis Serovar I

VR-880™

Description

Chlamydia trachomatis serovar I strain UW-12/Ur is propagated in McCoy [McCoy B] cells (ATCC CRL-1696). This strain was isolated from the urethra of a male with non-gonococcal urethritis and it has applications in sexually transmitted disease research.

Strain designation: UW-12/Ur

Deposited As: Trachoma serotype i

Type strain: No

Serotype: I

Storage Conditions

Product format: Frozen

Storage conditions: -70°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies

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ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Host: McCoy [McCoy B] (ATCC CRL-1696)

Effects: CPE; cytoplasmic inclusions

Temperature: 36°C

Recommendations for infection: Plate cells 24 hours prior to infection and infect when cultures are 90-100% confluent. Prior to infection, disrupt cells by sonication or vortex with sterile glass beads. Remove medium and inoculate with a small volume of inoculum (e.g. 1 mL per 25 cm²) diluted to provide an optimal MOI (e.g. 1). Adsorb by centrifugation at 1500 x g for 1 hour at 25°C. End adsorption by adding growth medium.

Incubation: 1-3 days

Handling Procedures

Mycoplasma contamination: Not detected

Notes

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 1-2 µg/mL cycloheximide. Incubate at 37°C for 48 hours.

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.

Key Abbreviations: °C, Degrees Celsius; g, Acceleration of gravity; MOI, Multiplicity of infection; rpm, Revolutions per minute

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Chlamydia trachomatis* Serovar I (ATCC VR-880)

References

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

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