ATCC

Product Sheet

Chlamydia trachomatis (Busacca) Rake (ATCC® VR-571B™)

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* (Busacca) Rake (ATCC® VR-571B™)

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: Trachoma type A strain HAR-13 [strain Har 13]
Classification: *Chlamydiaceae*
Original Source:
Conjunctiva from 4-year-old with trachoma
human conjunctiva
Depositor: CDC

Propagation

Propagation Host:
McCoy cells (ATCC CRL-1696)
chicken embryo, yolk sac; anti-metabolite treated L-929 cells (ATCC CCL-1); HeLa 229 cells (ATCC CCL-2.1)

Effect on Host:
Cytopathic effects (inclusions) detectable by immunofluorescence
Intracellular inclusion bodies visualized by fluorescent staining with genus or species specific conjugated antibodies.

Medium:
Agent growth medium: DMEM + 10% pre-treated FBS + 10mM HEPES + 2µg/mL Cycloheximide (Sigma C-4859 Ready-Made)

Growth Conditions
Incubation: 3 days at 36°C, a 5%CO_2 in air atmosphere is recommended.
Recommendations for Infection: For best results cells should be 24 to 48 hours old and 90% - 100% confluent.

Comments

Note that activities with high potential for aerosol production require BSL 3 facilities and practices. This preparation has tested positive for mycoplasma contamination. Suggested protocol for propagation: 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 or pretested against having Chlamydia antibodies and 2µg/mL cycloheximide. Incubate at 36°C for 3 days.

References

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

Key Abbreviations

CDC, Centers for Disease Control and Prevention
CE, chicken embryo
HeLa, human cervical carcinoma cells
L, liver
MEM, minimum essential medium (Eagle)
TCID[50], median tissue culture infective dose
y.s., yolk sac

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

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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.

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

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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