ATCC

Product Sheet

Chlamydophila pecorum (Fukushi and Hirai) Everett et al. (ATCC® VR-1575™)

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: *Chlamydophila pecorum* (Fukushi and Hirai) Everett et al. (ATCC® VR-1575™)

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: Ovine Polyarthritis strain IPA (Iowa polyarthritis)
Classification: Chlamydiaceae
Original Source: Derived from existing strain (This is a tissue culture adapted version of ATCC® VR-629™. ATCC® VR-629™ was isolated from sheep's joint fluid in Iowa.)
Depositor: LA Page, ATCC

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:
CPE, intracellular inclusion bodies.

Medium:
DMEM [(ATCC® 30-2002™) 4.5 mg/mL glucose] + 10% pre-screened FBS + 2 mg/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: For best results cells should be 24 to 48 hours old and 90-100% confluent.
Incubation: 48 to 72 hours, a 5% CO_2 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.
Suggested protocol for propagation: Add 10 to15 glass beads and vortex preparation to disrupt cells. Infect monolayer with disrupted material. Centrifuge at 3000 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 37°C for 48 to 72 hours, a 5%CO_2 in air atmosphere is recommended. ATCC® VR-1575™ was created by TC-adapting a yolk sac preparation, ATCC® VR-629™ to TC.

References

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

Key Abbreviations

°C, degrees Celsius
CPE, cytopathic effect
CO_2 (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.

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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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