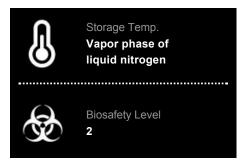


Product Sheet

Chlamydia suis Everett et al. (ATCC[®] VR-1474[™])

Please read this FIRST



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 suis Everett et al. (ATCC® VR-1474 $^{\text{TM}}$)

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Description

Strain: S45 (porcine isolate) **Classification:** Chlamydiaceae

Original Source: Swine intestine, feces, and diarrhea fluid

Depositor: J Storz



Batch-Specific Information

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



Propagation

Propagation Host:

HEp-2 (ATCC® CCL-23™)

Effect on Host:

Intracellular inclusion bodies visualized by fluorescent staining

Medium

Special Maintenance Medium (SMM): EMEM (ATCC $^{\odot}$ 30-2003) + 10% prescreened FBS + 10 mM HEPES (Gibco 15630) + 2 μ g/ml Cycloheximide (SIGMA C4859)

Growth Conditions

Temperature: 37°C

Recommendations for Infection: For best results, infection should be performed on an 80-100% confluent, 24-48 hour old cellular monolayer. Sonicate seed material for 20 seconds at approximately 240W to disrupt cells. Prepare dilution of chlamydia in minimum amount of volume (e.g. 1 mL per 25 cm²). Remove cell growth medium and inoculate with disrupted material. For adsorption, centrifuge at $1500 \times g$ at 25°C for 1 hour. End adsorption by adding agent growth medium.

Incubation: Incubate infected culture for 72 hours at 37°C in a humidified 5% CO₂ atmosphere.

Preservation: Perform slow controlled rate freeze.



Comments

Cytoplasmic, iodine-positive inclusions in infected L or BGMk cells, elementary bodies in Gimenez-stained impression smears from infected yolk sacs of chicken embryos - biovar 5 and serovar 5 of animal chlamydiae - MOMP gene sequences of Chlamydia trachomatis - proposed for classification as Chlamydia suis sp. nov.



References

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



Key Abbreviations

EMEM, Eagle's Minimum Essential Medium (ATCC® 30-2003)

Prescreened FBS, Fetal bovine serum screened for *Chlamydia* inhibition due to antibody presence g, acceleration due to gravity

HEPES, N-(2-Hydroxyethyl)piperazine-N'-(2-ethanesulfonic acid)

SMM, Special maintenance medium



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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formulation is used, the ATCC warranty for viability is no longer valid.

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