**Description**

**Strain:** Trachoma type B strain HAR-36  
**Classification:** Chlamydiaceae, Chlamydia  
**Original Source:** Human conjunctiva from a 12 month old male with trachoma (trachoma II follicles and papillae), Saudi Arabia.  
**Depositor:** RL Nichols  

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

**Propagation**

**Propagation Host:** McCoy (ATCC® CRL-1696™)  
**Effect on Host:** Intracellular inclusion bodies visualized by fluorescent staining with genus or species specific conjugated antibodies

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

**Growth Conditions**

**Temperature:** 37°C  
**Recommendations for Infection:** For best results cells should be 24 to 48 hours old and 90-100% confluent.  
**Incubation:** Incubate 48 to 72 hours, a 5% CO₂ in air atmosphere is recommended.

**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.  

Note that activities with high potential for aerosol production require BSL 3 facilities and practices. Toxic for white mice in 1-24 hours when given i.v. Antigenic type 2. Suggested protocol for propagation: 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 FBS prescreened for *Chlamydia* antibodies and 1-2 mg/mL cycloheximide. Incubate at 35°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.

**Key Abbreviations**

- °C, degrees Celsius  
- CO₂, carbon dioxide  
- CPE, cytopathic effect  
- DMEM, Dulbecco’s 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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