**Description**

Strain: BOUR  
Classification: Chlamydiaceae  
Original Source: Adult with probable clinical inclusion conjunctivitis and active trachoma, California, 1959  
Depositor: L Hanna, E Jawetz, Centers for Disease Control and Prevention

**Batch-Specific Information**

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 monoclonal antibodies

Medium: DMEM (ATCC® 30-2002™) + 10% prescreened FBS + 10 mM HEPES + 2 µg/mL cyclohexamide

**Growth Conditions**

Temperature: 35.5°C  
Recommendations for Infection: Plate cells 24-48 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 2100 x g for 1 hour at 20°C. End adsorption by adding growth medium.  
Incubation: 3 days

**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.

Rapid loss in titer when stored above -70°C. Activities with high potential for aerosol production require BSL 3 facilities and practices.

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](http://www.atcc.org).

**Key Abbreviations**

°C, degrees Celsius  
BSL, biosafety level  
CO₂ (CO₂), carbon dioxide  
DMEM, Dulbecco's Modified Eagle's Medium  
FA, fluorescent antibody  
FBS, fetal bovine serum  
g, acceleration of gravity  
HEPES,N-(2-Hydroxyethyl)piperazine-N′-(2-ethanesulfonic acid)  
MOI, multiplicity of infection

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

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