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

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

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

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.

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

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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