Strain: UW-57/Cx
Classification: Chlamydiaceae
Original Source: Human cervix (epithelial tissue), cervicitis, Seattle, WA, 1971
Depositor: SP Wang

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

Propagation Host:
McCoy cells (ATCC® CRL-1696™)

Effect on Host:
Intracellular inclusion bodies visualized by fluorescent staining with genus or species specific monoclonal antibodies or Giemsa

Medium:
DMEM (ATCC® 30-2002™) + 10% prescreened FBS + 2 µg/mL Ready-made Cycloheximide (Sigma C-4859 100 mg/mL) + 10 mM HEPES

Growth Conditions
Temperature: 36°C
Recommendations For Infection: For best results cells should be 24 to 48 hours old and 80-90% confluent (not 100% confluent).
Incubation: 3 days, a 5% CO₂ in air atmosphere is recommended
Add glass beads and vortex preparation to disrupt cells. Infect monolayer with disrupted material. Centrifuge at 3000 x rpm (750 x g) for one hour. Feed with fresh growth medium containing FBS prescreened for Chlamydia antibodies and 1-2 µg/mL cycloheximide. Incubate at 36°C for 72 hours.
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.

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

Key Abbreviations
°C, degrees Celsius
CO₂ (CO2), carbon dioxide
DMEM, Dulbecco's Minimum Essential Medium
FBS, fetal bovine serum
g, acceleration due to gravity
HEPES, N-(2-Hydroxyethyl)piperazine-N'-(2-ethanesulfonic acid)
 rpm, revolutions per minute

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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