Strain: A/PR/8/34
Classification: Orthomyxoviridae, Influenzavirus A
Original Source: Patient in Puerto Rico, 1934
Depositor: ATCC®, M Coleman, Centers for Disease Control and Prevention

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

Propagation

Propagation Host:
MDCK cells (ATCC® CCL-34™)

Effect on Host:
CPE, rounding, degeneration, sloughing

Medium:
EMEM (ATCC® 30-2003™) + 1 mM HEPES (Gibco® 15630-080) + 0.125% BSA Fraction V (Gibco® 15260-037) + 1 µg/mL TPCK-treated trypsin (USB® 22725)

Growth Conditions
Temperature: 35°C

Recommendations for Infection: For best results, infection should be performed on an 80-90% confluent, 18-48 hour old cellular monolayer. Prepare dilution of virus in minimum amount of volume (e.g. 1 mL per 25 cm²), optimized for propagation (e.g. MOI 0.01-0.1 recommended). Wash monolayer two times with PBS or serum free medium prior to inoculation. Adsorb virus dilution for 1-2 hours at 35°C in a humidified 5% CO₂ atmosphere, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

Incubation: 2-4 days at 35°C in a humidified 5% CO₂ atmosphere, until CPE is progressed through 80% of the monolayer.

Comments

VR-1469® is a TC-adapted item derived from virus passaged in eggs (ATCC® VR-95™).

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

Key Abbreviations

BSA, Bovine serum albumin
CPE, cytopathic effect
EMEM, Eagle's minimum essential medium
HEPES, N-2-hydroxyethylpiperazine-N-2-ethane sulfonic acid
MDCK, Madin-Darby canine kidney
MOI, multiple of infection
PBS, Phosphate buffered saline
TPCK, Tosyl phenylalanyl chloromethyl ketone

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.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC
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