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**Classification:** Orthomyxoviridae, Influenzavirus A  
**Original Source:** Throat washings from an influenza patient  
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**Propagation**

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

**Effect on Host:**  
CPE, cell rounding and sloughing

**Medium:**  
EMEM (ATCC® 30-2003™) + 0.125% BSA + 10 mM HEPES + 1 µg/mL TPCK-treated Trypsin

**Growth Conditions**

**Temperature:** 33°C  
**Recommendations For Infection:** Plate cells 24-48 hours prior to infection and infect when cultures are 80-90% confluent. Remove medium and inoculate with a small volume of virus (e.g., 1 mL per 25 cm²) diluted to provide an optimal MOI (e.g., 0.01). Adsorb 1-2 hours at 33°C in a humidified 5% CO₂ atmosphere, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

**Incubation:** 1-4 days

**Comments**

Demonstrates cross-reactivity with Influenza A virus, A/PR/8/34 and swine influenza.

**References**

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

**Key Abbreviations**

BSA, bovine serum albumin  
CO₂ (CO2), carbon dioxide  
CPE, cytopathic effect  
°C, degrees Celsius  
EMEM, Eagle’s minimum essential medium  
HEPES, N-2-Hydroxyethylpiperazine-N’-2-Ethane Sulfonic acid  
MOI, multiplicity of infection  
TPCK, 1(Tosylamide-2 phenyl) ethyl chloromethyl ketone

**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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