Strain: CH 19503
Classification: Paramyxoviridae, Paramyxovirinae, Rubulavirus, Human parainfluenza virus 4
Original Source: Child with respiratory tract infection, Washington, DC, 1962
Depositor: JC Hierholzer, Centers for Disease Control and Prevention

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

Propagation Host: NCI-H292 (ATCC® CRL-1848™)
Effect on Host: CPE, cell degeneration, clumping and sloughing

Medium:
RPMI-1640 (ATCC® 30-2001™) + 1.5 µg/mL trypsin

Growth Conditions
Temperature: 37°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. 0.1). Adsorb 1-2 hours at 37°C in a humidified 5% CO₂ atmosphere while rocking continuously. End adsorption by adding virus growth medium.

Incubation: 6-11 days

After adsorbing virus, feed with medium containing trypsin but NO serum.

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

Key Abbreviations
°C (C), degree Celsius
CO₂ (CO₂), carbon dioxide
CPE, cytopathic effect

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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