Human respiratory syncytial virus, High titer (ATCC® VR-1580PQ™)

Description

Strain: 18537  
Classification: Pneumoviridae, Orthopneumovirus, Human orthopneumovirus

Original Source: Respiratory secretions from child with acute respiratory disease seen at Children's Hospital of the District of Columbia, Washington, DC, 1962. Treated ATCC® VR-1401™ to removed Mycoplasma at ATCC.

Depositor: RM Chanock, National Institute of Allergy and Infectious Diseases; ATCC

Batch-Specific Information

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

Propagation

Propagation Host:  
Hep-2 cells (ATCC® CCL-23™)

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

Medium:  
EMEM (ATCC® 30-2003™) + 2% FBS (ATCC® 30-2020™)

Growth Conditions

Temperature: 37°C

Recommendations for Infection: Plate cells 24-48 hours prior to infection and infect when cultures are 70-85% 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 to 0.1). Adsorb 1-2 hours at 37°C in a humidified 5% CO₂ atmosphere. End adsorption by adding virus growth medium.

Incubation: 3-10 days at 37°C in a humidified 5% CO₂ atmosphere, until CPE is progressed through 80% of the monolayer.

ATCC® VR-1580PQ™ is a high-titer, live virus suspended in 50 mM Tris-HCl + 150 mM NaCl + 1 mM EDTA + dH₂O. This product was prepared from ATCC® VR-1580™ via concentration through a sucrose cushion.

The early passage history of this item is unknown.

References

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

Key Abbreviations

°C, degrees Celsius  
CO₂, Carbon dioxide  
EDTA, Ethylenediaminetetraacetic acid  
EMEM, Eagle’s Minimum Essential Media  
FBS, fetal bovine serum  
MOI, multiplicity of infection

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.

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 lists the media formulation that has been found to be effective for this strain. While other, unspecified media

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may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

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