Product Sheet
Human respiratory syncytial virus (ATCC® VR-1540™)

Please read this FIRST

Storage Temp.
-70°C or colder

Biosafety Level
2

Intended Use
This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain
If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Human respiratory syncytial virus (ATCC® VR-1540™)

Description

Strain: A2
Classification: Paramyxoviridae, Pneumovirus
Original Source: Lower respiratory tract of infant with bronchiolitis and bronchopneumonia, Melbourne, Australia, 1961
Depositor: L Potash, Flow Laboratories, Inc.; ATCC

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

Propagation

Propagation Host:
HEp-2 (ATCC CCL-23)
Effect on Host:
CPE, syncytial formation, rounding, and sloughing

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

Growth Conditions
Temperature: 37°C

Recommendations for Infection: For best results, infection should be performed on an 80-90% confluent, 10-40 hour old cellular monolayer. Prepare dilution of virus in minimum amount of volume (e.g. 1 mL per 25 cm²). Wash monolayer with PBS or serum free medium prior to inoculation. Adsorb virus dilution for 1-2 hours at 37°C in a humidified 5% CO₂ atmosphere, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

Incubation: 3-7 days at 37°C in a humidified 5% CO₂ atmosphere, until CPE is progressed through 80% of the monolayer.

Comments
VR-1540 was prepared from ATCC® VR-1302™ by growth in the presence of neutralizing serum to remove contaminating Human adenovirus 1.

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

Key Abbreviations
°C, degrees Celsius
CO₂ (CO2), carbon dioxide
CPE, cytopathic effect
EMEM, Eagle’s minimum essential medium
FBS, fetal bovine serum
MOI, multiplicity of infection
PBS, phosphate buffered saline

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
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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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org.

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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