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

Please read this FIRST

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

DESCRIPTION

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

BIOSECURITY 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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