



Product Sheet

Human adenovirus 35 (ATCC® VR-718™)

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 adenovirus 35 (ATCC® VR-718™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Strain: Holden

Classification: Adenoviridae, Mastadenovirus, Human adenovirus B

Original Source:

Lung and kidney tissues from 61-year-old woman who died with diffuse interstitial pneumonia

Depositor: JC Hierholzer

Batch-Specific Information

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

Propagation

Propagation Host:

HEp-2 cells (ATCC CCL-23)

Recommended Host: HEp-2 (ATCC® CCL-23)

WI-38 cells (ATCC CCL-75); human embryonic lung fibroblast; RU-1 cells (human embryonic lung); primary human amnion cells; primary human embryonic kidney cells; KB cells (ATCC CCL-17); HEp-2 cells (ATCC CCL-23); HeLa cells (ATCC CCL-2)

Effect on Host:

Yes, in vitro effects: Cytopathic effects (typical adenovirus CPE)

CPE, refractile rounding, clumping, and sloughing

Medium:

Virus growth medium: EMEM + 2%FBS

Growth Conditions

Temperature: 35.0°C

Duration: 4 days

Comments

HA with rhesus and vervet RBC (typically 1:1024-1:8192). No HA with other RBC. Virion 75nm in diameter, excluding fibers. Low SN cross between AV-11 virus and AV-35 sera. Moderate HAI cross between AV-35 virus and AV-34 sera. High HAI cross between AV-34 virus and AV-35 sera.

References

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

Key Abbreviations


AV, Adenovirus
CO₂ (CO2), carbon dioxide
CPE, cytopathic effect
EMEM, Eagles minimal essential medium
FA, fluorescent antibody
FBS, fetal bovine serum
FITC, fluorescein isothiocyanate
HA, hemagglutination
HAI, hemagglutination inhibition
HAm, human amnion
HEK, human epithelial kidney cells
HeLa, human cervical carcinoma cells
HELFL, human embryo lung fibroblasts
HEp-2, human laryngeal tumor cells, HeLa markers
KB, human epithelial cells
MAB, monoclonal antibody
mL, milliliter
nm, nanometer
Pr, primary




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RBC, red blood cells

RU-1, human embryonic lung fibroblasts

SN, serum neutralization

TC, tissue culture

TCID₅₀(TCID₅₀), The Tissue Culture Infectious Dose

50% endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the

TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.

WI-38, human embryonic lung (diploid) cells

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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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Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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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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