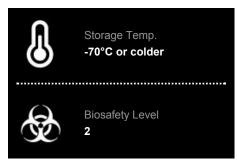


Product Sheet

Adeno-associated virus 5 (ATCC[®] VR-1523[™])

Please read this FIRST



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: Adeno-associated virus 5 (ATCC® VR-1523™)

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Description

Strain: Original

Classification: Parvoviridae, Dependovirus, Adeno-associated virus 5

Original Source: clinical specimen - human

Depositor: U Bantel-Schaal, H zur Hausen, U Bantel-Schaal



Batch-Specific Information

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



Propagation

Propagation Host:

Recommended Host: LLC-MK₂ (ATCC® CCL-7.1TM)

Effect on Host:

in vitro effects: Adeno-associated virus shows no independent cytopathic effects Adenovirus CPE, refractile rounding and sloughing; AAV shows no independent CPE. Yes, in vitro effects: Adenovirus cytopathic effects, refractile rounding and sloughing

Medium:

Virus growth medium: EMEM + 2%FBS (ATCC® 30-2020) + ATCC® VR-846TM Adenovirus 2

Growth Conditions

Atmosphere: 5% CO2 in air recommended

Temperature: 37.0°C

Duration: 4 - 5 days; For best results cells should be 24 to 48 hours old and 80-90% confluent (not 100%

confluent). [Note: requires viral helper for productive infections, e.g., VR-846]



Comments

Depends upon adenovirus for replication. Suggest ATCC® VR-846TM, Adenovirus 2, as helper virus, which produces CPE on ATCC® CCL-7.1TM cells. Helper virus may be inactivated by heating at 56°C for 30 minutes.



References

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



Key Abbreviations

AAV, Adeno-associated virus

bp, base pair

C, Celsius

CO2 (CO2), carbon dioxide

CPE, cytopathic effect

EMEM, Eagles minimum essential medium

FBS, fetal bovine serum

HeLa, human cervical carcinoma cells

KB, human oral epidermoid carcinoma cells

LLC-MK2 (LLC-MK2), rhesus monkey kidney cells

mL, milliliter

PCR, polymerase chain reaction

TC, tissue culture

TCID₅₀(TCID[50]), 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.

VP1, capsid protein 1

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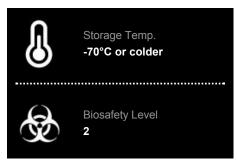




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Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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