Equine herpesvirus type 2

VR-701™

Description

Equine herpesvirus type 2 strain LK is propagated in equine dermal fibroblast cells. This virus was isolated from the throat swab of a horse with upper respiratory disease. This strain has applications in animal disease research.

Strain designation: LK
Deposited As: Equine herpesvirus type 2
Serotype: type 2

Storage Conditions

Product format: Frozen
Storage conditions: -70°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local

or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Host: Equine dermal fibroblast cells (ECID); equine kidney cells in tissue culture; rabbit kidney cells in tissue culture; feline kidney cells in tissue culture
Effects: cell death; CPE
Complete medium:
EMEM (ATCC 30-2003) + 2% FBS (ATCC 30-2020)
Temperature: 35°C
Atmosphere: 95% Air, 5% CO_2
Recommendations for infection: Plant cells 24-48 hours in advance and infect when cultures are 80-90% confluent. Remove medium and inoculate with a small volume (e.g. 1 mL per 25 cm^2) of virus diluted with VGM to provide a MOI of about 1.0-0.1. Adsorb 2 hour at 37°C in a 5% CO_2 air atmosphere. End adsorption by adding VGM.
Incubation: Incubate infected ECID cell culture for 8 days at 35°C in a 5% CO_2 air

atmosphere, until CPE is well advance through 90% of the culture.

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Available antiserum (ATCC VR-701AS/RB)

Key Abbreviations: CDC, Centers for Disease Control and Prevention; °C, Degrees Celsius; CO_2, Carbon dioxide; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium; MOI, Multiplicity of infection; NCBI, National Center for Biotechnology Information; Pr, Primary

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Equine herpesvirus type 2 (ATCC VR-701)

References

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

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Revision

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