



Equine infectious anemia virus

VR-778™

Description

Strain designation: Wyoming

Deposited As: Equine infectious anemia virus

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: E. Derm (NBL-6) (ATCC CCL-57)

Effects: CPE; death of host animal

Temperature: 37°C

Atmosphere: 95% Air, 5% CO₂

Incubation: Incubate infected culture for 8-21 days at 37°C in a humidified 5% CO₂ atmosphere.

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Used for preparation of equine infectious anemia diagnostic antigen. Equine dermal cells exposed to virus must be transferred more than 3 times before good yields of antigen are obtained. After infected cells lose vitality, they can be revitalized by the addition of non-infected equine dermal cells.

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Equine dermis cells exposed to the virus must be transferred more than 3 times before good yields of antigen are obtained. After infected cells lose vitality, they can be revitalized by the addition of non-infected equine dermis cells.

Some evidence that this may be a retrovirus.

Key Abbreviations: CPE, Cytopathic effect; FEK, fetal equine kidney; Pen, Penicillin; Strep, Streptomycin; TC, Tissue culture; TCID₅₀, Median tissue culture infective dose; USDA, United States Department of Agriculture

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Equine infectious anemia virus (ATCC VR-778)

References

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

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