Canine parvovirus

VR-2017™

Description

Strain designation: Cornell-780916-80
Deposited As: Canine parvovirus
Patent depository: This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.
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Storage Conditions

Product format: Freeze-dried
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: A-72 (ATCC CRL-1542)
Effects: cell rounding; cell sloughing; CPE
Complete medium:
M-199 + 7.5% FBS (ATCC® 30-2020™)
Temperature: 37°C
Recommendations for infection: Plant cells 6 hours in advance and infect when

cultures are 40-50% confluent. Remove medium and inoculate with a small volume (e.g. 1 mL per 25 cm^2) of virus diluted with virus growth medium to provide a MOI of about 1.0. Adsorb 1 hour at 37°C in 100% atmospheric air in nonvented flasks. End adsorption by adding viral growth media.
Incubation: Incubate infected A-72 cell culture for 3-5 days at 37°C in 100% atmospheric air, until CPE is well advanced through 90% of the culture

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Reconstitute freeze-dried vials to 1 mL with distilled water. Reduced virulence variant obtained by multiple passages at 33°C as per depositor. Virus agglutinates pig and rhesus monkey erythrocytes. NOTE: This material is cited in a U.S. and/or other patent applications and may not be used to infringe the patent claims.
Key Abbreviations: °C, Degrees Celsius; CPE, Cytopathic effect; M-199, Medium 199; MOI, Multiplicity of infection; NCBI, National Center for Biotechnology Information

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Canine parvovirus (ATCC VR-2017)

References

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

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