Strain: C-780916
Classification: Paroviridae, Parovirus, Feline panleukopenia virus
Original Source: Feces of dog with hemorrhagic enteritis, 1978
Depositor: LE Carmichael, New York State College of Veterinary Medicine, Cornell University

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

Propagation

Propagation Host:
A-72 (ATCC® CRL-1542™)

Effect on Host:
CPE, refractile cells, cell rounding and sloughing

Growth Conditions

Recommendations for Infection: Plate cells 2-4 hours prior to infection and infect when cultures are 30-40% confluent. Remove medium and inoculate with a small volume of virus (e.g. 1 mL per 25 cm²) diluted to provide an optimal MOI (e.g. 0.1). Adsorb 1-2 hours at 35°C in a humidified atmosphere, rocking every 15 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

Incubation: Incubate infected culture for 3-9 days at 35°C in a humidified atmosphere, until CPE are well advance throughout.

Virus Growth Medium: Leibovitz’s L-15 Medium (ATCC 30-2008) + 2% FBS (ATCC 30-2020)

Comments
Non-pathogenic for neonatal pups. Antigenically indistinguishable from Feline panleukopenia virus and Mink enteritis virus, but has broader host range and different HA spectrum, especially in regards to pH conditions. Hemagglutinates porcine, Rh+ monkey, and feline red blood cells at pH 6.0-7.5. May fail to immunize dogs if passaged 8-10 times in feline cells.

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

Key Abbreviations
A/72, canine fibroma cell line
°C, degrees Celsius
CO₂ (CO2), carbon dioxide
CPE, cytopathic effect
CRFK, Crandell feline kidney cells
HA, hemagglutination
MOI, multiplicity of infection
Mv 1 Lu, mink lung epithelial cells
RBC, red blood cells
MOI, multiplicity of infection

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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