Strain: FIPV-1146
Classification: Coronaviridae, Alphacoronavirus, Alphacoronavirus 1
Original Source: Isolate from neonatal kitten, Washington State University, 1979. Treated to remove Mycoplasma hyorhinis at ATCC.
Depositor: F Scott, 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, cell rounding and sloughing
Medium: DMEM (ATCC 30-2002) + 2% FBS (ATCC 30-2020)
Growth Conditions
Temperature: 34°C
Recommendations for Infection: Plate cells 24-48 hours prior to infection and infect when cultures are 80-90% 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 34°C in a humidified 5% CO₂ atmosphere, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.
Incubation: 2-4 days

Comments
Three freeze-thaw cycles performed at harvest. Cross-reacts with canine coronavirus, TGE virus of swine, and Human coronavirus 229E.

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

Key Abbreviations
°C, degrees Celsius
CO₂ (CO2), carbon dioxide
CPE, cytopathic effect
FIPV, Feline infectious peritonitis virus
MOI, multiplicity of infection
TGE, Transmissible gastroenteritis

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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Please read this FIRST

Storage Temp. -70°C or colder

Biosafety Level 2

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: Feline infectious peritonitis virus (ATCC® VR-1777™)

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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