**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-990™)

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**Description**

**Strain:** WSU 79-1146  
**Classification:** Coronaviridae, Alphacoronavirus, Alphacoronavirus 1  
**Original Source:** From pool of lung, liver, and spleen of domestic cat (neonate death)  
**Depositor:** AJ McKeirnan, JF Evermann

**Batch-Specific Information**

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

**Propagation**

**Propagation Host:** CRFK cells (ATCC CCL-94)  
**Recommended Host:** CRFK cells (ATCC® CCL-94™)  
**Effect on Host:** Yes, in vitro effects: Cytopathic effects (multinucleated giant cells followed by rounding in 2 days)  
**Medium:** Virus growth medium: EMEM (ATCC® 30-2003) + 2% FBS (ATCC® 30-2020)

**Growth Conditions**  
**Temperature:** 37°C  
**Incubation:** 2 to 3 days at 37°C, a 5% CO₂ in air atmosphere is recommended.

**Recommendations for Infection:** For best results cells should be 24 to 48 hours old and 70% - 80% confluent (not 100% confluent).

**Comments**

Antigenic cross-reactivity with feline coronavirus; feline infectious peritonitis, strain NOR 15; and canine coronavirus, Binn strain 1-71.

**References**

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

**Key Abbreviations**

°C, degrees Celsius  
CO₂ (CO2), carbon dioxide  
CPE, cytopathic effect  
CRFK, Crandell feline kidney cells  
EMEM, Eagles minimum essential medium  
FA, fluorescent antibody  
FBS, fetal bovine serum  
FIPV, Feline infectious peritonitis virus  
FITC, fluorescein isothiocyanate  
IgG, immunoglobulin type G  
mL, milliliter  
Pen, penicillin  
Strep, streptomycin  
TC, tissue culture  
TCID₅₀ (TCID[50]), The Tissue Culture Infectious Dose  
50% endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.  
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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.

**ATCC Warranty**

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

**Disclaimers**

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org).

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).