



Feline infectious peritonitis virus

VR-1812™

Description

Strain designation: FIPV-1146, P80

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: A-72 (ATCC CRL-1542)

Effects: cell rounding; cell sloughing; CPE

Complete medium:

Leibovitz's L-15 (ATCC® 30-2008™) + 10% FBS (ATCC® 30-2020™)

Temperature: 34°C

Atmosphere: 95% Air, 5% CO₂

Recommendations for infection: For best results, infection should be performed on an 80-90% confluent, 18-48 hour old cellular monolayer. Prepare dilution of virus in minimum amount of volume (e.g. 1 mL per 25 cm²), optimized for propagation (e.g. MOI 0.01-0.1 recommended). Wash monolayer one time with PBS or serum free medium prior to inoculation. Adsorb virus dilution for 1-2 hours at 34°C in air atmosphere, humidified, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

Incubation: 1-3 days at 34°C in air atmosphere, humidified, until CPE is progressed through 80% of the monolayer.

Notes

Live attenuated virus derived from serial passage of plaque-purified FIPV 79-1146, a strain isolated by J. Evermann. Intranasal administration of passage 80 protects adult cats from challenge by virulent virus. Cross reacts with canine coronavirus, TGE virus of swine and human coronavirus 229E.

This item has been treated with Mycoplasma Removal Agent (MRA) to remove *Mycoplasma* at the ATCC. The previous item number was ATCC® VR-2201™.

Key Abbreviations: A-72, Canine fibroblast tumor cells; CPE, Cytopathic effect; FBS, Fetal bovine serum; L-15, Leibovitz's L-15 Medium; MOI, Multiplicity of infection; PBS, Phosphate-buffered saline; TGE, transmissible gastroenteritis

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Feline infectious peritonitis virus (ATCC VR-1812)

References

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

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