Feline syncytia-forming virus

VR-889™

Description

Strain designation: F-17
Deposited As: Feline syncytia-forming virus

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: Feline embryo fibroblasts; Host Range: Feline kidney cells; human kidney cells; rat kidney cells
Effects: CPE; syncytia
Incubation: 5-8 days

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Produces foamy CPE; syncytia in infected cell cultures is labile, rapidly destroyed by freeze-thaw and organic solvents. Particles which bud from membranes of infected

cells contain RNA-dependent DNA polymerase which exhibits greater activity with Mn2+ than with Mg2+ (Todaro et al., 2nd Lepetit Colloquium, North Holland Publ. Co., 1971, pp. 206-209).

Key Abbreviations: CPE, Cytopathic effect; CRFK, Crandell feline kidney cells; DMSO, Dimethyl sulfoxide; DNA, Deoxyribonucleic acid; EF, Embryo fibroblasts; RNA, Ribonucleic acid; TCID[50], Median tissue culture infective dose

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Feline syncytia-forming virus (ATCC VR-889)

References

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

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Contact Information

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor