



# Feline panleukopenia virus

VR-648™

## Description

**Strain designation:** Philips-Roxane

**Deposited As:** Feline panleukopenia

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -70°C or colder

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## 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.

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**BSL 2**

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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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Host:** CRFK (ATCC CCL-94)

**Effects:** cell degeneration; cell rounding; CPE

**Complete medium:**

EMEM (ATCC® 30-2003™) + 10% FBS (ATCC® 30-2020™)

**Temperature:** 37°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

**Recommendations for infection:** For best results, infection should be performed on a 60-80% confluent, 18-48 hour old cellular monolayer. Prepare dilution of virus in minimum amount of volume (e.g. 1 mL per 25 cm<sup>2</sup>). Wash monolayer with PBS or serum free medium prior to inoculation. Adsorb virus dilution for 1-2 hours at 37°C in a humidified 5% CO<sub>2</sub> atmosphere, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

**Incubation:** 4-7 days at 37°C in a humidified 5% CO<sub>2</sub> atmosphere, until CPE is progressed through 80% of the monolayer.

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

Requires cells that are rapidly dividing to replicate.

**Key Abbreviations:** CPE, Cytopathic effect; CRFK, Crandell feline kidney cells; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; PBS, Phosphate-buffered saline

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Feline panleukopenia virus (ATCC VR-648)

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## References

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

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## Revision

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## Feline panleukopenia virus

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Product Sheet

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