



Koi herpesvirus

VR-1592™

Description

Strain designation: F347

Common name: Koi herpesvirus

Deposited As: Koi herpesvirus

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

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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: CCB cells (cyprinus carp brain)

Effects: CPE; cytoplasmic vacuolation; death of host animal; gill necrosis; nephritis

Complete medium:

EMEM (ATCC[®] 30-2003™) + 10% FBS (ATCC[®] 30-2020™) + 1x NEAA + 2mM L-glutamine + 15 mM HEPES Buffer

Temperature: 20°C

Atmosphere: No CO₂

Recommendations for infection: Plant cells 24-48 hours in advance and infect when cultures are 80-90% confluent. Thaw virus at room temperature just until ice is melted. Remove cell growth medium and inoculate with a small volume of virus diluted to provide a MOI of about 0.1. Adsorb 1-2 hours at 20°C in a non-humidified atmosphere without CO₂, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

Incubation: 7-14 days at 20°C without CO₂ in EMEM supplemented with 10% FBS, L-glutamine and non-essential amino acids

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Handling Procedures

Mycoplasma contamination: Not detected

Notes

Deposited as a useful research reagent for study of this recently identified pathogen affecting fisheries around the world. This particular isolate has not been sequenced, but several other representatives of this agent have been (Hutoran, et al.).

Key Abbreviations: KF1, Koi fin 1; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; NAA, Non-essential amino acids; CO₂, Carbon dioxide; MOI, Multiplicity of infection

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Koi herpesvirus (ATCC VR-1592)

References

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

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