



Infectious pancreatic necrosis virus

VR-299™

Description

Strain designation: LWVRT 60-1

Deposited As: Infectious pancreatic necrosis 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

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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: RTG-2 (ATCC CCL-55)

Effects: cell rounding; CPE

Complete medium:

EMEM (ATCC[®] 30-2003™) + 2% FBS (ATCC[®] 30-2020™) + 10 mM HEPES

Temperature: 18°C

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

Incubation: 1 to 2 days at 18°C

Handling Procedures

Mycoplasma contamination: Not detected

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Notes

Brook trout 4 weeks of age become ill and die 1 to 4 weeks after feeding the virus. Antigenic for *Salmo gairdneri*, *Salvelinus fontinalis*, goats and rabbits. Replication of the virus has not been observed in amphibian or mammalian cell lines. This is a serious salmonid fish pathogen. It apparently originated in North America but has since been introduced to Europe and Japan. Stable at -20°C and in 50% glycerol at 4°C.

Key Abbreviations: bp, Base pairs; °C, Degrees Celsius; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; HEPES, N-(2-Hydroxyethyl)piperazine-N'-(2-ethanesulfonic acid); mm, Micrometer; mL, Milliliter; mM, Millimeter; NCBI, National Center for Biotechnology Information; PCR, Polymerase chain reaction; PH, Millipore mixed cellulose esters (acetate and nitrate) membrane, Pore size 0.30mm; RTG-2, Rainbow trout gonadal tissue cells; TC, Tissue culture; TCID₅₀, Median tissue culture infective dose; VC, Millipore mixed cellulose esters (acetate and nitrate) membrane, Pore size 0.10mm

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Infectious pancreatic necrosis virus (ATCC VR-299)

References

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

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