



Infectious pancreatic necrosis virus

VR-3479™

Description

Infectious pancreatic necrosis virus strain SP is cultured in CHSE-214 cells (ATCC CRL-1681). This culture was derived from ATCC VR-1318 and was adapted for growth in CHSE-214 cells.

Strain designation: SP

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.

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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.

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: CHSE-214 (ATCC CRL-1681)

Effects: cell rounding; cell sloughing; cell detachment; cell degeneration

Complete medium: L-15 (ATCC 30-2008) + 10% FBS (ATCC 30-2020)

Temperature: 22°C

Recommendations for infection:

Plates cells $3.0-4.0 \times 10^4$ to achieve 80-90% confluency 24 hours prior to infection. Rinse vessel one time with 1X DPBS (ATCC 30-2200) or Neat L-15.

Remove rinse media and inoculate at an MOI of 1.0. Adsorption time is 1-2 hours, stationary. Item is grown at 22°C, non-CO₂, no humidity in a non-vented flask. Growth time is 4-5 days. Harvest at 90-100% CPE. To harvest, scrape the vessel.

Incubation: 4-5 days at 22°C in in non-vented flask with non-CO₂ and no humidity

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Notes

Cells must be grown in non-vented flask with non-CO₂ and no humidity at 22°C

Key Abbreviations: °C, Degrees Celsius; CO₂, Carbon dioxide; FBS, Fetal bovine serum; L-15, Leibovitz's L-15 Medium; MOI, Multiplicity of infection

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-3479)

References

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

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