Porcine parvovirus NADL-2

VR-742™

Description

Porcine parvovirus NADL-2 is propagated in ST cells (ATCC CRL-1746). This strain was isolated from porcine leukocytes from blood samples collected at an abattoir.
Strain designation: NADL-2
Deposited As: Porcine parvovirus

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: ST (ATCC CRL-1746)
Effects: cell degeneration; CPE; nuclear inclusions
Complete medium:
EMEM (ATCC 30-2003) + 10% FBS (ATCC 30-2020)
Temperature: 37°C
Atmosphere: 95% Air, 5% CO_2
Recommendations for infection: This product is produced by co-cultivation of virus with fresh host cells. Prepare a bulk cell suspension the day of inoculation. Seed culture vessels at 30-50% confluency. Calculate the volume of virus needed to achieve an optimal MOI (e.g. 1:100 dilution) and then dilute virus in virus growth medium to prepare the virus inoculum. Add virus inoculum to culture vessels. Incubate for 24 hours at 37°C in a humidified 5% CO_2 atmosphere. Aspirate virus growth medium to remove any traces of DMSO and then add fresh virus growth medium to cultures. Continue incubation.

Incubation: 3 -5 days

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Virus must be freeze-thawed 3 times before inoculating and/or passing with fresh cells. CPE most pronounced when cells are exposed to the virus just before or after subculturing.

Key Abbreviations: °C, Degrees Celsius; CO_2, Carbon dioxide; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; ST, Porcine fetal testis cells

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Porcine parvovirus NADL-2 (ATCC VR-742)

References

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

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Revision

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