Strain: NADL-2
Classification: Parvoviridae, Parvovirus, Porcine parvovirus
Original Source: Porcine leukocytes from blood samples collected at an abattoir
Depositor: WL Mengeling

Refer to the Certificate of Analysis for batch-specific test results.

Propagation Host:
ST (ATCC® CRL-1746™)

Effect on Host:
CPE, nuclear inclusions and degeneration

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

Growth Conditions
Temperature 37°C

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% CO₂ 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

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.

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

Key Abbreviations

°C, degrees Celsius
CO₂ (CO2), carbon dioxide
CPE, cytopathic effect
EMEM, Eagle's Minimum Essential Medium
FBS, fetal bovine serum
ST, porcine fetal testis cells

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the Biosafety in Microbiological and Biomedical Laboratories from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Porcine parvovirus NADL-2 (ATCC® VR-742™)