



Product Sheet

Canine distemper virus (ATCC® VR-128™)

Please read this FIRST



Storage Temp.
-70°C or colder



Biosafety Level
2

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Canine distemper virus (ATCC® VR-128™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Strain: Lederle

Classification: *Paramyxoviridae, Morbillivirus*

Original Source: Field case of distemper encephalitis in dog

Depositor: VJ Cabasso, PJ Vasington, Lederle Laboratories Division of American Cyanamid Company

Batch-Specific Information

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

Propagation

Propagation Host:

SL-29 (ATCC® CRL-1590™)

Effect on Host:

CPE, refractile cell rounding and degeneration

Medium:

EMEM (ATCC® 30-2003™) + 5% FBS (ATCC® 30-2020™) + 5% TPB + 1% NEAA (ATCC® 30-2116™) + 25 mM HEPES

Growth Conditions

Temperature: 37°C

Recommendations for Infection: Plate cells 24-48 hours prior to infection and infect when cultures are 70-90% confluent. Remove medium and inoculate with a small volume of virus (e.g. 1 mL per 25 cm²) diluted to provide an optimal MOI (e.g. 0.1). Adsorb 1-2 hours at 37°C in a humidified 5% CO₂ atmosphere, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

Incubation: 5-8 days. Replace virus growth medium every 2-3 days.

Comments

Belongs to the same virus subgroup as measles and rinderpest

References

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

Key Abbreviations

°C, degrees Celsius

CO₂, carbon dioxide

CPE, cytopathic effects

EMEM, Eagle's Minimal Essential Medium

FBS, fetal bovine serum

HEPES, 4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid

MOI, multiplicity of infection

NEAA, non-essential amino acids

TPB, Tryptose Phosphate Broth

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.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium



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formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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