ATCC

Product Sheet

Tacaribe virus (ATCC® VR-1556™)

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: Tacaribe virus (ATCC® VR-1556™)

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: TRVL 11573
Classification: Arenaviridae, Arenavirus, New World Arenaviruses
Common Name: Tacaribe virus
Original Source:
derived from existing strain
Depositor: ATCC, WG Downs

Batch-Specific Information

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

Propagation

Propagation Host:
Recommended Host: Vero cells (ATCC CCL-81)

Effect on Host:
Yes, in vitro effects: Cytopathic effects, cell rounding followed by degeneration of the rounding cells
CPE, rounding of cells

Medium:
Virus growth medium: EMEM (ATCC 30-2003) + 2%FBS (ATCC 30-2021)

Growth Conditions
Temperature: 37.0°C
Duration: 2-8 days; 5% CO2 in air atmosphere is recommended; For best results cells should be 24 to 48 hours old and 7080% confluent (not 100% confluent).

Comments

Can be passed serially (i.c.) in adult mice, animals become ill in 5-7 days and die within 24 hours with evidence of CNS involvement. The natural clinical illness in bats resembles that produced by rabies virus. Antigenic relationship to Junin virus of Argentinian and to Machupo virus of Bolivian hemorrhagic fevers has been demonstrated by means of the CF test. This is tissue culture adapted from mouse preparation ATCC VR-114.

References

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

Key Abbreviations

CE, chicken embryo
CF,complement fixation
CNS, central nervous system
CO_2 (CO2), carbon dioxide
CPE, cytopathic effect
EMEM, Eagles minimum essential medium
FBS, fetal bovine serum
HaK, hamster kidney
i.c., intracerebral
i.p., intraperitoneal
M, mouse
Mb, mouse brain
MkK, monkey kidney
mL, milliliter
nbM, newborn mouse
TC, tissue culture
$TCID_{50}$(TCID[50]), The Tissue Culture Infectious Dose
50% endpoint is the 50% infectious endpoint in cell culture. The $TCID_{50}$ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose

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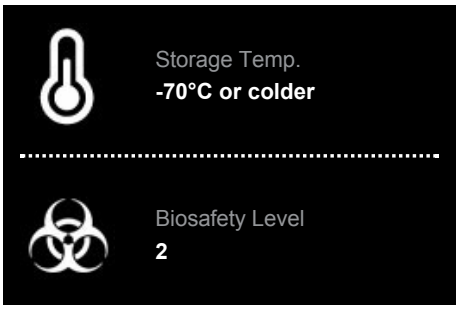

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50% (LD_{50}) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the $TCID_{50}$ provides a measure of the titer (or infectivity) of a virus preparation.

y.s., yolk sac

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

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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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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