



Product Sheet

# Tacaribe virus (ATCC® VR-1556™)

Please read this **FIRST**



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## 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](http://www.atcc.org)

800.638.6597 or 703.365.2700  
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## 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% CO<sub>2</sub> in air atmosphere is recommended; For best results cells should be 24 to 48 hours old and 70-80% 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](http://www.atcc.org).

## Key Abbreviations

CE, chicken embryo

CF, complement fixation

CNS, central nervous system

CO<sub>2</sub> (CO<sub>2</sub>), 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<sub>50</sub>(TCID<sub>50</sub>), The Tissue Culture Infectious Dose

50% endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> 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 50% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer (or infectivity) of a virus preparation.



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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**

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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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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