



Product Sheet

Zika virus (ATCC® VR-1844™)

Please read this **FIRST**





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: Zika virus (ATCC® VR-1844™)

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: FLR
Classification: *Flaviviridae*, *Flavivirus*
Original Source: Human serum, Colombia, December 2015
Depositor: R Rico-Hesse, Baylor College of Medicine

Batch-Specific Information

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

Propagation

Propagation Host:
Aedes albopictus clone C6/36 cells (ATCC® CRL-1660™)

Effect on Host:
CPE, sloughing

Medium:
Eagle's Minimum Essential Medium (ATCC® 30-2003™) + 2% FBS (ATCC® 30-2020™)

Growth Conditions

Temperature: 28°C

Recommendations for Infection: Plate cells 24 hours prior to infection and infect when cultures are 80% confluent. Remove medium and then wash monolayer with PBS or serum free medium prior to inoculation. Inoculate with a small volume of inoculum (e.g. 1 mL per 25 cm²) diluted to provide an optimal MOI (e.g. 0.01). Adsorb for 1 hour at 28°C in a humidified 5% CO₂ atmosphere. End adsorption by adding virus growth medium.

Incubation: 4-6 days at 28°C in a humidified 5% CO₂ atmosphere, until CPE is progressed throughout monolayer.

Comments

CPE clearer to observe in VERO C1008 [Vero 76, clone E6, Vero E6] cells (ATCC® CRL-1586™).

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 effect
EMEM, Eagle's Minimum Essential Medium
FBS, fetal bovine serum
MOI, multiplicity of infection

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.




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Storage Temp.
-70°C or colder



Biosafety Level
2

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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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