**Product Sheet**

**Zika virus (ATCC® VR-1839™)**

**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: Zika virus (ATCC® VR-1839™)

**Description**

**Strain:** IB H 30656  
**Classification:** Flaviviridae, Flavivirus  
**Original Source:** Human blood, Ibadan, Nigeria, September 9, 1968  
**Depositor:** R Tesh, The University of Texas Medical Branch, Galveston, Texas

**Batch-Specific Information**

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

**Propagation**

**Propagation Host:** Vero cells (ATCC® CCL-81™)  
**Effect on Host:** CPE, Refractile cell rounding, sloughing, detachment

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

**Growth Conditions**

**Temperature:** 37°C  
**Recommendations for Infection:** Plate cells 18-24 hours prior to infection and infect when cultures are 70-90% 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 37°C in a humidified 5% CO₂ atmosphere. End adsorption by adding virus growth medium.

**Incubation:** 3-5 days at 37°C in a humidified 5% CO₂ atmosphere, until CPE is progressed through 80-90% of the monolayer.

**References**

References and other information relating to this product are available online at [www.atcc.org](http://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.

**Disclaimers**

This product is intended for laboratory research purposes only. It is not intended for use in humans.
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This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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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