Description

Strain: R116265
Classification: Flaviviridae, Flavivirus
Original Source: Serum specimen collected from a human, Mexico, June 23, 2016
Depositor: B Russell, Centers for Disease Control and Prevention

Batch-Specific Information

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

Propagation

Vero cells (ATCC® CCL-81™)

Effect on Host:
CPE, rounding and detachment

Medium:
EMEM (ATCC® 20-2003™) + 2% FBS (ATCC® 20-2020™)

Growth Conditions
Temperature: 37°C

Recommendations for Infection: Plate cells 24 hours prior to infection and infect when cultures are 90-95% 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. 0.01). Adsorb 1 hour at 37°C in a humidified 5% CO₂ atmosphere. End adsorption by adding virus growth medium.

Incubation: 4-5 days at 37°C in a humidified 5% CO₂ atmosphere, until CPE is progressed throughout monolayer.

References

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

Key Abbreviations

°C, Degrees Celsius
CPE, Cytopathic effect
CO₂, Carbon dioxide
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.

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Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.
**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-1868™)

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