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

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.

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.

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