Strain: MR 766 (Tissue culture-adapted from ATCC® VR-84™)
Classification: Flaviviridae, Flavivirus
Original Source: Blood of a rhesus monkey which became infected while stationed as a sentinel in forest near Entebbe, Uganda, 1947
Depositor: J Casals, The Rockefeller Foundation; ATCC

Propagation Host: Vero cells (ATCC® CCL-81™)
Effect on Host: CPE, Refractile cell rounding
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 75-80% 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. 0.1-0.01). Adsorb for 1-2 hours at 37°C in a humidified 5% CO₂ atmosphere. End adsorption by adding virus growth medium.
Incubation: 2-4 days at 37°C in a humidified 5% CO₂ atmosphere, until CPE is progressed through 80-90% of the monolayer.

Derivation by adaptation from the in vivo cultured product ATCC® VR-84™ to Vero cells (ATCC® CCL-81™).
The genomic sequences of ATCC® VR-84™ and ATCC® VR-1838™ have not been compared, and ATCC® VR-1838™ has not been tested for infectivity in vivo.

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
PBS, Phosphate buffered saline

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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Additional information on this culture is available on the ATCC web site at www.atcc.org.

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