

Zika Virus, FLR

Catalog No. NR-50183

Product Description: Cell lysate and supernatant from *Aedes albopictus* mosquito larval clone C6/36 cells¹ infected with Zika virus (ZIKV), FLR

Passage History: C1/C2 (Baylor College of Medicine/BEI Resources); C# = Number of passages in C6/36 cells

Lot²: 64103036

Manufacturing Date: 14MAR2016

TEST	SPECIFICATIONS	RESULTS
Infectivity in C6/36 Cells¹	Report results	Cell rounding and detachment
Sequencing of Species-Specific Region (1710 nucleotides)	Consistent with ZIKV, FLR	99% identity with ZIKV, FLR (GenBank: KU820897) ³
Titer by TCID₅₀ Assay in C6/36 Cells^{1,4,5} with IFA Readout⁶	Report results	8.9 × 10 ⁷ TCID ₅₀ per mL
Sterility (21-day incubation) Harpo's HTYE broth ⁷ , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO ₂	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
Mycoplasma Contamination Agar and broth culture (14-day incubation at 37°C) DNA Detection by PCR of Test Article nucleic acid	None detected None detected	None detected None detected

¹*Aedes albopictus* clone C6/36 cells: ATCC® CRL-1660™

²Grown in Eagle's Minimum Essential Medium containing Earle's Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate (ATCC® 30-2003) and 2% fetal bovine serum (ATCC® 30-2020) for 5 days at 28°C with 5% CO₂

³The complete coding sequence of NR-50183, Lot No. 64103036 has also been determined (GenBank: KX087102).

⁴The Tissue Culture Infectious Dose 50% (TCID₅₀) is the 50% infectious endpoint in cell culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.

⁵7 days at 28°C with 5% CO₂

⁶Using mouse monoclonal antibody to Zika virus NS1 protein (Aalto Bio Reagents catalog no. AZ 1225, clone 2701106)

⁷Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 19 APR 2016

Signature: 

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