

# Zika Virus, BeH819015, Recombinant Infectious Clone

Catalog No. NR-51129

## Product Description:

ZIKV, BeH819015 was isolated from the blood of a human in Belém, Pará State, Brazil on July 23, 2015. NR-51129 is a molecular clone of Zika virus (ZIKV), BeH819015. NR-51129 lot 70066160 was produced by infecting *Chlorocebus* (formerly *Cercopithecus*) *aethiops* kidney epithelial cells clone E6 (Vero E6; ATCC® CRL-1586™) and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 6 days at 37°C with 5% CO<sub>2</sub>.

## Passage History:

V2/V3 (Prior to deposit at BEI/BEI Resources); V = Vero E6 cells

Lot: 70066160

Manufacturing Date: 01FEB2024

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in Vero E6 Cells	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Species-Specific Region (~ 960 nucleotides)	≥ 98% identity with ZIKV, BeH819015 (GenBank: KU365778)	100% identity with ZIKV, BeH819015 (GenBank: KU365778.1)
Titer by TCID <sub>50</sub> Assay in Vero E6 Cells by Cytopathic Effect <sup>1</sup> (7 days at 37°C with 5% CO <sub>2</sub> )	Report results	8.9 × 10 <sup>6</sup> TCID <sub>50</sub> /mL
Sterility (21-day incubation) Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>2</sup> 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, aerobic	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 extracted Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> 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% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer (or infectivity) of a virus preparation.

<sup>2</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

/Sonia Bjorum Brower/

Sonia Bjorum Brower

06 JUN 2024

Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

