

**Chikungunya Virus, 181/25**

**Catalog No. NR-13222**

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**Product Description:** Supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero E6) infected with chikungunya virus, 181/25.

**Lot<sup>1</sup>: 58507550**

**Manufacturing Date: 27MAR2009**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of Species-Specific Region</b> (~ 800 nucleotides)	Consistent with chikungunya virus	99% identity to chikungunya virus (GenBank: HQ456255)
<b>Titer by TCID<sub>50</sub> Assay<sup>2,3</sup> in Vero E6 Cells<sup>4</sup></b>	Report results	2.8 x 10 <sup>7</sup> TCID <sub>50</sub> per mL
<b>Functional Activity by RT-PCR Assay</b>	~ 1200 base pair amplicon	~ 1200 base pair amplicon
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>5</sup> , 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 <sub>2</sub>	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
<b>Mycoplasma Contamination</b> Agar and broth culture (14-day incubation at 37°C)	None detected	None detected

<sup>1</sup>Grown by Charles H. Calisher, Ph. D., Department of Microbiology, Immunology and Pathology, Colorado State University, Fort Collins, Colorado, USA.

<sup>2</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>3</sup>6 days at 37°C and 5% CO<sub>2</sub>

<sup>4</sup>Vero E6 cells; ATCC® CRL-1586™

<sup>5</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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