

Chikungunya Virus, 181/25

Catalog No. NR-56523

Product Description:

Chikungunya virus (CHIKV), 181/25 is a live-attenuated derivative of strain AF15561, which was originally isolated from a human in Thailand in 1962. NR-56523 lot 70083852 was produced by infecting *Chlorocebus aethiops* (African green monkey) kidney epithelial cells (Vero E6; ATCC CRL-1586™) with BEI Resources seed lot 70050555 and incubating in DMEM (ATCC 30-2002™) supplemented with 2% fetal bovine serum (ATCC® 30-2020) for 4 days at 37°C with 5% CO₂.

Passage History:

M(18)/VE(3) (Prior to deposit (this is an attenuated strain)/BEI Resources); M = MRC-5; VE = Vero E6

Lot: 70083852

Manufacturing Date: 23JUN2025

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in Vero E6 Cells	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Species-Specific Region (~ 1060 nucleotides)	≥ 98% sequence identity with CHIKV, 181/25 (GenBank: MW473668.1)	100% sequence identity with CHIKV, 181/25 (GenBank: MW473668.1)
Titer by TCID ₅₀ Assay in Vero E6 Cells by Cytopathic Effect ¹ (7 days at 37°C with 5% CO ₂)	Report results	1.6 × 10 ⁹ TCID ₅₀ /mL
Sterility test (Bact/ALERT 3D) iAST bottle (aerobic) at 32.5°C, 14-day incubation iNST bottle (anaerobic) at 32.5°C, 14-day incubation	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

¹The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint 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.

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13 AUG 2026

Technical Manager or designee, ATCC Federal Solutions

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