

La Crosse Virus, 6716-05

Catalog No. NR-51643

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Product Description:

La Crosse virus (LACV), 6716-05 was isolated from a pool of mosquitoes (*Aedes triseriatus*) in Fairfield, Connecticut, USA in 2005. NR-51643 lot 70082186 was produced by infecting *Chlorocebus aethiops* kidney epithelial cells, clone 6 (Vero E6; ATCC® CRL-1586™) with BEI Resources seed lot 70028686 and incubating in Dulbecco's Modified Eagle's Medium (DMEM; ATCC® 30-2002™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 3 days at 37°C with 5% CO₂.

Passage History:

V(4)/VE6(3) (Prior to deposit at BEI Resources/BEI Resources); V = Vero cells; VE6 = Vero E6 cells

Lot: 70082186

Manufacturing Date: 17APR2026

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in Vero E6 Cells	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Species-Specific Region Polyprotein gene (~ 960 nucleotides)	≥ 98% sequence identity with LACV, 6716-05 (GenBank: DQ426688.1)	100% sequence identity with LACV, 6716-05 (GenBank: DQ426688.1)
Titer by TCID ₅₀ Assay in Vero E6 Cells by Cytopathic Effect ¹ (8 days at 37°C with 5% CO ₂)	Report results	1.6 × 10 ⁸ TCID ₅₀ /mL
Amplification of LACV Sequence by RT-PCR	~ 1000 base pair amplicon	~ 1000 base pair amplicon
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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08 JUL 2026

Technical Manager or designee, ATCC Federal Solutions

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