

Dengue Virus Type 3, DENV-3/US/BID-V1043/2006

Catalog No. NR-43282

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Product Description:

Dengue virus type 3, DENV-3/US/BID-V1043/2006 was isolated from a human in Puerto Rico in 2006. NR-43282 was produced by infecting *Aedes albopictus* clone C6/36 cells (ATCC® CRL-1660™) with BEI Resources seed lot 62623614 and incubating in Eagle's Minimum Essential Medium containing Earle's Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate and 1.5 g/L of sodium bicarbonate (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 7 days at 28°C with 5% CO₂ to produce this lot.

Passage History:

C6(2)/C6(2) (Prior to deposit at BEI Resources/BEI Resources); C6 = C6/36 cells

Lot: 70083477

Manufacturing Date: 26MAY2026

TEST	SPECIFICATIONS	RESULTS
Identification by Indirect Fluorescent Antibody (IFA) Assay ¹	Fluorescence observed	Fluorescence observed
Sequencing of Species-Specific Region (~ 920 nucleotides)	≥ 98% sequence identity with DENV-3/US/BID-V1043/2006 (GenBank: EU482555.1)	100% sequence identity with DENV-3/US/BID-V1043/2006 (GenBank: EU482555.1)
Titer by TCID ₅₀ Assay in C6/36 Cells by IFA ^{1,2} (7 days at 28°C with 5% CO ₂)	Report results	1.6 × 10 ⁷ TCID ₅₀ /mL
Functional Activity by RT-PCR Assay	~ 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

¹Using Anti-Dengue Virus Complex Antibody (Millipore MAB8705)

²The 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.

/Sonia Bjorum Brower/

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20 JUL 2026

Technical Manager or designee, ATCC Federal Solutions

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