

Dengue Virus Type 3, DENV-3/VN/BID-V1329/2006

Catalog No. NR-44087

Product Description:

Dengue virus type 3, DENV-3/VN/BID-V1329/2006 was isolated from a human in Vietnam on December 13, 2006. NR-44087 lot 70061242 was produced by infecting *Aedes albopictus* clone C6/36 cells (ATCC® CRL-1660™) and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 7 days at 28°C with 5% CO₂.

Passage History:

C(9)/C(4) (Prior to deposit at BEI Resources/BEI Resources); C = *Aedes albopictus* clone C6/36 cells

Lot: 70061242

Manufacturing Date: 20JUN2023

TEST	SPECIFICATIONS	RESULTS
Identification by Indirect Fluorescent Antibody (IFA) Assay¹	Fluorescence observed	Fluorescence observed
Sequencing of Species-Specific Region (~ 490 nucleotides)	≥ 98% identity with DENV-3/ VN/BID-V1329/2006 (GenBank: EU660409)	99.8% identity with DENV-3/ VN/BID-V1329/2006 (GenBank: EU660409)
Titer by TCID₅₀ Assay in C6/36 Cells by Fluorescent Antibody Testing^{1,2} (8 days at 28°C with 5% CO ₂)	Report results	2.8 × 10 ⁷ TCID ₅₀ /mL
Sterility (21-day incubation) Harpo's HTYE broth, 37°C and 26°C, aerobic ³ 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

¹Test performed with anti-dengue virus complex antibody, clone D3-2H2-9-21 (Millipore MAB8703)

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.

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

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15 SEP 2023

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