

Influenza B Virus, B/New York/1055/2003

Catalog No. NR-48660

Product Description:

Influenza B virus, B/New York/1055/2003 was isolated on January 29, 2003 from an adult male human in Tompkins County, New York, USA. NR-48660 lot 70027406 was produced by infecting Madin-Darby Canine Kidney cells (MDCK; ATCC® CCL-34™) and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003) supplemented with 0.5 µg/mL heat-inactivated L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin and 0.125% bovine serum albumin (BSA) for 2 days at 33°C and 5% CO₂.

Passage History:

X(?)/C(3) (Prior to deposit at BEI Resources/BEI Resources); X = Unknown; C = MDCK cells

Lot: 70027406

Manufacturing Date: 14NOV2019

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in MDCK Cells	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Neuraminidase Coding Regions (~ 900 nucleotides)	≥ 98% identity with B/New York/1055/2003 (GenBank: CY174331.1)	100% identity with B/New York/1055/2003 (GenBank: CY174331.1)
Titer by TCID₅₀ Assay in MDCK Cells by Cytopathic Effect¹	Report results	5 × 10 ⁶ TCID ₅₀ per mL in 7 days at 33°C and 5% CO ₂ .
Sterility (21-day incubation) Harpo's HTYE broth, 37°C and 26°C, aerobic ² Trypticase Soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Blood agar, 37°C, aerobic Blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO ₂	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

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.

²Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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