

Influenza B Virus, B/Christchurch/33/2004 (Yamagata Lineage)

Catalog No. NR-36536

Product Description:

Influenza B virus, B/Christchurch/33/2004 (Yamagata Lineage) was isolated from a human in Christchurch, New Zealand on August 30, 2004. NR-36536 lot 70041361 was grown by infecting Madin-Darby canine kidney cells (MDCK; ATCC® CCL-34™) with BEI Resources lot 61539250 and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 0.125% bovine serum albumin and 1 µg per mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin for 7 days at 33°C and 5% CO₂.

Passage History:

Unk(X)/MDCK(2) (Prior to deposit at BEI Resources/BEI Resources); Unk = Unknown; MDCK = Madin-Darby canine kidney

Lot: 70041361

Manufacturing Date: 28JAN2022

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in MDCK cells	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Hemagglutinin Coding Region (~ 820 nucleotides)	≥ 98% identity with B/Christchurch/33/2004 (Yamagata Lineage) (GenBank: CY154834)	99.6% identity with B/Christchurch/33/2004 (Yamagata Lineage) (GenBank: CY154834)
Titer by TCID ₅₀ Assay in MDCK cells by Cytopathic Effect and Hemagglutination Assay ¹ (6 days at 33°C and 5% CO ₂)	Report results	1.6 × 10 ⁴ TCID ₅₀ per mL
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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20 SEP 2022

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