

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

Catalog No. NR-36526

Product Description: Cell lysate and supernatant from Madin-Darby Canine Kidney (MDCK) cells¹ infected with influenza B virus, B/Christchurch/33/2004 (Yamagata Lineage)

Lot²: 61539255

Manufacturing Date: 26APR2013

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in MDCK Cells¹	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Hemagglutinin Coding Region (894 nucleotides)	Consistent with B/Christchurch/33/2004 (Yamagata Lineage)	100% identity with B/Christchurch/33/2004 (Yamagata Lineage) (GenBank: CY154834)
Titer by TCID₅₀ Assay^{3,4} in MDCK Cells¹	Report results	1.6 × 10 ⁶ TCID ₅₀ per mL
Sterility (21-day incubation) Harpo's HTYE broth ⁵ , 37°C and 26°C, aerobic 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

¹MDCK; ATCC® CCL-34™

²Grown in Dulbecco's Modified Eagle Medium (ATCC® 30-2002™) supplemented with 0.18% bovine serum albumin (Invitrogen™ 15260-037) and 0.05 µg/mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin (USB 22725) for 4 days at 33°C and 5% CO₂

³The 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.

⁴7 days at 33°C and 5% CO₂

⁵Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 26 NOV 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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