

Influenza B Virus, B/New York/1061/2004 (Yamagata Lineage)

Catalog No. NR-48663

Product Description:

Influenza B virus, B/New York/1061/2004 (Yamagata lineage) was isolated from a respiratory swab from a human with unspecified respiratory disease in Kings County, New York, USA, on November 2, 2004. NR-48663 lot 70057389 was produced by infecting Madin-Darby Canine Kidney cells (MDCK; ATCC® CCL-34™) with influenza B virus, B/New York/1061/2004 (Yamagata lineage) and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 0.125% bovine serum albumin and 1 µg/mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin for 4 days at 33°C and 5% CO₂.

Passage History:

RhMK(1)/MDCK(3) (Prior to deposit at BEI Resources/BEI Resources); RhMK = primary Rhesus monkey kidney cells

Lot: 70057389

Manufacturing Date: 24JAN2023

| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| Identification by Infectivity in MDCK Cells | Cell rounding and detachment | Cell rounding and detachment |
| Sequencing of Neuraminidase Coding Region (~ 800 nucleotides) | ≥ 98% identity with B/New York/1061/2004 (BY) (GenBank: CY174379) | 100% identity with B/New York/1061/2004 (BY) (GenBank: CY174379) |
| Titer by TCID₅₀ Assay in MDCK Cells by Hemagglutination Assay¹ (8 days at 33°C and 5% CO ₂) | Report results | 7.3 × 10 ³ TCID ₅₀ /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 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 |

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 infectious 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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Technical Manager or designee, ATCC Federal Solutions

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