

Influenza A Virus, A/Netherlands/823/1992 (H3N2)

Catalog No. NR-49235

Product Description:

Influenza A virus, A/Netherlands/823/1992 (H3N2) was isolated from a human in the Netherlands in 1992. NR-49235 lot 70059267 was produced by infecting Madin-Darby Canine Kidney cells (MDCK; ATCC® CCL-34™) with influenza A virus, A/Netherlands/823/1992 (H3N2) 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 2 days at 37°C and 5% CO₂ and passaged once and incubated 3 days 37°C and 5% CO₂.

Passage History:

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

Lot: 70059267

Manufacturing Date: 27MAR2023

| TEST | SPECIFICATIONS | RESULTS |
|---|--|--|
| Identification by Infectivity in MDCK Cells | Cell rounding and detachment | Cell rounding and detachment |
| Sequencing of Hemagglutinin and Matrix Coding Regions Hemagglutinin (~ 690 nucleotides) Matrix (~ 870 nucleotides) | ≥ 98% identity with A/Netherlands/823/1992 (H3N2) (GenBank: KM821284) ≥ 98% identity with A/Netherlands/823/1992 (H3N2) (GenBank: CY077876) | 100% identity with A/Netherlands/823/1992 (H3N2) (GenBank: KM821284) 100% identity with A/Netherlands/823/1992 (H3N2) (GenBank: CY077876) |
| Titer by TCID₅₀ Assay in MDCK Cells by CPE¹ (7 days at 37°C and 5% CO ₂) | Report results | 8.9 × 10 ⁶ 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 | 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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24 MAY 2023

Technical Manager or designee, ATCC Federal Solutions

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