

**Influenza A Virus, A/Netherlands/22/2003 (H3N2)**

**Catalog No. NR-49236**

**Product Description:** Cell lysate and supernatant from Madin-Darby Canine Kidney (MDCK) cells<sup>1</sup> infected with influenza A virus, A/Netherlands/22/2003 (H3N2)

**Passage History:** C1/C2 (Contributor/BEI Resources; C# = Number passages in MDCK cells)

**Lot<sup>2</sup>: 70010073**

**Manufacturing Date: 19JAN2018**

TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity in MDCK Cells<sup>1</sup></b>	Cell rounding and detachment	Cell rounding and detachment
<b>Sequencing of Hemagglutinin and Matrix Coding Regions</b> Hemagglutinin (690 nucleotides)	Consistent with A/Netherlands/22/2003 (H3N2)	100% identity with A/Netherlands/22/2003 (H3N2) (GenBank: CY112957.2)
Matrix (930 nucleotides)	Consistent with A/Netherlands/22/2003 (H3N2)	100% identity with A/Netherlands/22/2003 (H3N2) (GenBank: CY112958.2)
<b>Titer by TCID<sub>50</sub> Assay<sup>3,4</sup> in MDCK cells<sup>1</sup> With Direct Fluorescence Assay (DFA) Readout<sup>5</sup></b>	Report results	1.6 × 10 <sup>6</sup> TCID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>6</sup> , 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 <sub>2</sub>	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
<b>Mycoplasma Contamination</b> 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

<sup>1</sup>MDCK; ATCC® CCL-34™

<sup>2</sup>Grown in Eagle's Minimum Essential Medium (ATCC® 30-2003) supplemented with 0.125% bovine serum albumin (Invitrogen™ 15260-037) and 1 µg per mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin for 2 days at 37°C and 5% CO<sub>2</sub>

<sup>3</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> 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% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the infectious titer (or infectivity) of a virus preparation.

<sup>4</sup>8 days at 37°C and 5% CO<sub>2</sub>

<sup>5</sup>Using Light Diagnostics™ Influenza A Antibody FITC Reagent (Millipore 5017)

<sup>6</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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