

Influenza A Virus, A/swine/Ohio/09SW1477/2009 (H1N2)

Catalog No. NR-36704

Product Description: Cell lysate and supernatant from Madin-Darby Canine Kidney (MDCK) cells¹ infected with influenza A virus, A/swine/Ohio/09SW1477/2009 (H1N2)

Lot²: 62500406

Manufacturing Date: 30APR2014

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in MDCK Cells ¹	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Hemagglutinin and Matrix Coding Regions Hemagglutinin (442 nucleotides) Matrix (924 nucleotides)	Consistent with A/swine/Ohio/09SW1477/2009 (H1N2) Consistent with A/swine/Ohio/09SW1477/2009 (H1N2)	99% identity with A/swine/Ohio/09SW1477/2009 (H1N2) (GenBank: CY130581) 100% identity with swine/Ohio/09SW1477/2009 (H1N2) (GenBank: CY130582)
Titer by TCID ₅₀ Assay ^{3,4} in MDCK cells ¹	Report results	2.3 × 10 ⁷ 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 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 Eagle's Minimum Essential Medium containing Earle's Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate and 1500 mg/L sodium bicarbonate (ATCC® 30-2003) supplemented with 0.5 µg/mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin (Sigma T1426) for 2 days at 37°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 infectious titer (or infectivity) of a virus preparation.

⁴7 days at 37°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: 09 OCT 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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