

Influenza A Virus, A/Netherlands/1324/2009 (H1N1)pdm09, Cell Isolate (Produced in Cells)

Catalog No. NR-19835

Product Description: Cell lysate and supernatant from Madin-Darby Canine Kidney (MDCK)¹ infected with influenza A virus, A/Netherlands/1324/2009 (H1N1)pdm09.

Passage History: C3/C2 (Depositor/BEI); C# = Number passages in MDCK cells

Lot²: 59525405

Manufacturing Date: 20DEC2010

| TEST | SPECIFICATIONS | RESULTS |
|--|---|---|
| Identification by Infectivity in MDCK cells ¹ | Report results | Cell rounding and sloughing |
| Identification by Hemagglutinin Gene Sequencing (408 nt) | Consistent with A/Netherlands/1324/2009 (H1N1)pdm09 (GenBank: CY065848) | 100% identity with A/Netherlands/1324/2009 (H1N1)pdm09 (GenBank: CY065848) |
| Titer by TCID ₅₀ Assay ^{3,4} in MDCK Cells ¹ | Report results | 1.6 X 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 , 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 |

¹MDCK; ATCC® CCL-34

²Grown in Dulbecco's Modified Eagle Medium (ATCC® 30-2002™) supplemented with 0.1% BSA (Invitrogen™ 15260-037) and 0.2 µg/mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin (USB 22725) for 4 days at 35°C and 5% CO₂

³The Tissue Culture Infectious Dose 50% (TCID₅₀) is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the infected cells, 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.

⁴5 days at 35°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: 10 FEB 2015

Signature: 

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

