b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-28620

Influenza A Virus, A/Hong Kong/1/1968 (H3N2) (mother clone)

Catalog No. NR-28620

Product Description: Pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs[1] infected with influenza A virus, A/Hong Kong/1/1968 (H3N2)

Passage History: MKX/MK2E2/E1M2E2/E2 (Isolating laboratory/WHO World Influenza Centre, London/Laboratory CDC, Health Canada, Ottawa/BEI); E# = Number passages in eggs; MK# = Number passages in monkey kidney cells; M# = Number passages in MDCK cells; X = unknown

Lot[2]: 70010872 **Manufacturing Date: 08DEC2017**

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity Using Embryonated Chicken Eggs[1]		
Hemagglutination activity using allantoic fluid from infected eggs and 0.5% chicken red blood cells	Positive	Positive
Sequencing of Hemagglutinin and Matrix Coding Regions		
Hemagglutinin (687 nucleotides)	Consistent with A/Hong Kong/1/1968 (H3N2)	99% identity with A/Hong Kong/1/1968 (H3N2) (GenBank: CY044261)
Matrix (946 nucleotides)	Consistent with A/Hong Kong/1/1968 (H3N2)	100% identity with A/Hong Kong/1/1968 (H3N2) (GenBank: CY112250)
Titer by $CEID_{50}$ Assay[3,4] in Embryonated Chicken Eggs[1]	Report results	8.9×10^8 $CEID_{50}$ per mL
Sterility (21-day incubation)		
Harpo's HTYE broth[5], 37°C and 26°C, aerobic	No growth	No growth
Trypticase soy broth, 37°C and 26°C, aerobic	No growth	No growth
Sabouraud broth, 37°C and 26°C, aerobic	No growth	No growth
Blood agar, 37°C, aerobic	No growth	No growth
Blood agar, 37°C, anaerobic	No growth	No growth
Thioglycollate broth, 37°C, anaerobic	No growth	No growth
DMEM with 10% FBS, 37°C and 5% CO_2	No growth	No growth
Mycoplasma Contamination		
Agar and broth culture (14-day incubation at 37°C)	None detected	None detected
DNA detection by PCR of extracted Test Article nucleic acid	None detected	None detected

[1]11-day-old SPF Embryonated Chicken Eggs acquired from Charles River, Norwich, Connecticut
[2]Grown in the allantoic cavity of embryonated chicken eggs[1] for 3 days at 34°C in a humidified chamber
[3]The Chicken Embryo Infectious Dose 50% ($CEID_{50}$) is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the inoculated embryonated chicken eggs, just as a Lethal Dose 50% (LD_{50}) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the $CEID_{50}$ provides a measure of the infectious titer (or infectivity) of a virus preparation.
[4]2 days at 34°C in a humidified chamber
[5]Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Michael A. Coppola

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