b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-44024

Influenza B Virus, B/Texas/06/2011 (Yamagata Lineage)

Catalog No. NR-44024

Derived from CDC ID No. 2011767829

Product Description:

Influenza B virus, B/Texas/06/2011 (Yamagata Lineage) was isolated from a human in Texas, USA on February 16, 2011. NR-44024 lot 70039700 is derived from CDC ID No. 2011767829 and was produced in the allantoic cavity of specific pathogen free (SPF) embryonated chicken eggs (10-day-old; Charles River, Norwich, Connecticut, USA) infected with the seed material for 2 days at 34°C in a humidified chamber.

Lot: 70039700 **Manufacturing Date: 19NOV2020**

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity Using Embryonated Chicken Eggs Hemagglutination activity using allantoic fluid from infected eggs and 0.5% chicken red blood cells	Positive	Positive
Sequencing of Species-Specific Region Hemagglutinin (~ 910 nucleotides)	≥ 98% identity with B/Texas/06/2011 (Yamagata Lineage) (GenBank: KC813972.1)	99.9% identity with B/Texas/06/2011 (Yamagata Lineage) (GenBank: KC813972.1)
Titer by $CEID_{50}$ Assay in Embryonated Chicken Eggs[1] (2 days at 34°C in a humidified chamber)	Report results	1.6×10^9 $CEID_{50}$ per mL
Sterility (21-day incubation)		
Harpo's HTYE broth, 37°C and 26°C, aerobic[2]	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
Sheep blood agar, 37°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, anaerobic	No growth	No growth
Thioglycollate broth, 37°C, anaerobic	No growth	No growth
DMEM with 10% FBS, 37°C, aerobic	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]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.

[2]Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

/Heather Couch/
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Program Manager or designee, ATCC Federal Solutions

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