

Kilbourne F45: B/Massachusetts/1/1971 (HA) x B/Lee/1940 (NA)

Catalog No. NR-3697

Product Description: Pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs¹ infected with reassortant influenza B virus, B/Massachusetts/1/1971 (HA) x B/Lee/1940 (NA)

Lot^{2,3}: 61995655

Manufacturing Date: 30JUL2013

| TEST | SPECIFICATIONS | RESULTS |
|--|---|---|
| Identification by Infectivity Using Embryonated Chicken Eggs¹ Hemagglutination activity using allantoic fluid from infected eggs and 0.5% chicken red blood cells | Positive | Positive |
| Sequencing of Hemagglutinin and Neuraminidase Coding Regions Hemagglutinin (988 nucleotides) Neuraminidase (575 nucleotides) | Consistent with influenza B virus ⁴ Consistent with B/Lee/1940 | Consistent with influenza B virus ⁴ 100% identity with B/Lee/1940 (Gen Bank: CY115113) |
| Titer by CEID₅₀ Assay^{5,6} in Embryonated Chicken Eggs¹ | Report results | 5.0 × 10 ⁷ CEID ₅₀ per mL |
| Sterility (21-day incubation) Harpo's HTYE broth ⁷ , 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 |
| 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 |

¹10- to 11-day-old SPF Embryonated Chicken Eggs acquired from B&E Eggs, York Springs, Pennsylvania

²Derived from NIAID Catalog No. V-331-0E5473B

³Grown in the allantoic cavity of embryonated chicken eggs¹ for 2 days at 33°C in a humidified chamber

⁴There is no sequence information for influenza B virus, B/Massachusetts/1/1971 in the NCBI database. The hemagglutinin gene sequence obtained for NR-3697 at BEI Resources has 98% to 99% identity with several contemporary influenza B virus isolates.

⁵The Chicken Embryo Infectious Dose 50% (CEID₅₀) 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% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the CEID₅₀ provides a measure of the infectious titer (or infectivity) of a virus preparation.

⁶2 days at 33°C in a humidified chamber

⁷Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 31 OCT 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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