

Influenza A Virus, A/Fort Monmouth/1/1947 (H1N1)

Catalog No. NR-15568

Product Description:

Influenza A virus, A/Fort Monmouth/1/1947 (H1N1) was isolated from a human in Fort Monmouth, New Jersey in 1947. NR-15568 was produced in the allantoic cavity of specific pathogen free (SPF) embryonated chicken eggs (10- to 11-day-old; AVS Bio, Norwich, Connecticut, USA) infected with seed material (BEI Resources lot 59536732) for 3 days at 35°C in a humidified chamber.

Lot: 70073603

Manufacturing Date: 31JAN2025

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity Using Embryonated Chicken Eggs Hemagglutination activity using allantoic fluid from infected eggs and 0.5% turkey red blood cells	Positive	Positive
Sequencing of Hemagglutinin and Matrix Coding Regions Hemagglutinin (~ 440 nucleotides) Matrix (~ 920 nucleotides)	≥ 98% sequence identity with A/Fort Monmouth/1/1947 (GenBank: CY009612) ≥ 98% sequence identity with A/Fort Monmouth/1/1947 (GenBank: CY009613)	98.6% sequence identity with A/Fort Monmouth/1/1947 (GenBank: CY009612) 99.7% sequence identity with A/Fort Monmouth/1/1947 (GenBank: CY009613)
Titer by CEID₅₀ Assay in Embryonated Chicken Eggs¹ (3 days at 35°C in a humidified chamber)	Report results	5.0 × 10 ⁸ CEID ₅₀ /mL
Sterility test (BacT/ALERT 3D) iAST bottle (aerobic) at 32.5°C, 14-day incubation iNST bottle (anaerobic) at 32.5°C, 14-day incubation	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

¹The 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.

/Sonia Bjorum Brower/
Sonia Bjorum Brower

02 MAY 2025

Technical Manager or designee, ATCC Federal Solutions

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.

