

Sendai Virus (formerly Parainfluenza Virus 1, Sendai)

Catalog No. NR-3227

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Product Description: Pooled allantoic fluid (90%) from embryonated chicken eggs infected with Sendai virus, with sucrose gelatin added (10%)

Lot: V-321-011-000

Manufacturing Date: ~ 1969

TEST	SPECIFICATIONS	RESULTS (FEB 2012)
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 Species-Specific Region (975 nucleotides)	Consistent with Sendai virus	Identical to Sendai virus glycoprotein, complete coding sequence (GenBank: U06433)
Titer by CEID50 Assay^{2,3} in Embryonated Chicken Eggs¹	Report results	2.8 × 10 ⁷ CEID ₅₀ per mL
Sterility (21-day incubation) Harpo's HTYE broth ⁴ , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep 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 Test Article nucleic acid	None detected None detected	None detected None detected

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

²Grown in Dulbecco's Phosphate Buffered Saline (D-PBS) (ATCC® 30-2200) for 3 days at 36°C in a humidified chamber

³The 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.

⁴Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 18 JUL 2012

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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