

Recombinant Influenza A Virus, A/American wigeon/South Carolina/22-000345-001/2021-Like x Puerto Rico/8/1934 (H5N1) (IDCDC-RG78A), Tissue Culture Adapted, Gamma-Irradiated

Catalog No. NR-59979

This reagent is tangible property of the U.S. Government.

Product Description:

NR-59979 consists of a crude preparation of spin-clarified cell lysate and supernatant from Madin-Darby canine kidney cells (MDCK; ATCC® CCL-34™) infected with recombinant influenza A virus, A/American wigeon/South Carolina/22-000345-001/2021-Like x Puerto Rico/8/1934 (H5N1) (IDCDC-RG78A) (NRC-59975 lot 70072301) that was gamma-irradiated (5×10^6 RADs) on dry ice, followed by sonication. The polybasic cleavage site was removed from the source virus, and only the HA and NA genes from the source virus were conserved, with the remaining genes belonging to influenza A/Puerto Rico/8/1934.

The starting material (BEI Resources lot 70072301) was produced by infecting Madin-Darby canine kidney cells (MDCK.2; ATCC® CRL2936™) in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 0.125% bovine serum albumin and 1 µg/mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin for 2 days at 35°C with 5% CO₂. Titer of spin clarified lot 70072301 was 6.9×10^6 TCID₅₀ per mL by TCID₅₀ as determined by cytopathic effect and HA in 5 days at 35°C with 5% CO₂, and sterility of the preparation was confirmed.

Lot: 70072695

Manufacturing Date: 25NOV2024

TEST	SPECIFICATIONS	RESULTS
Genome Copy Number Using BioRad QX200 Droplet Digital PCR (ddPCR™) System¹ (14 replicates)	Report results	1.1×10^8 genome equivalents/mL
Virus Inactivation (Post-Inactivation)² 10% of total bulk irradiated preparation was plated on MDCK cells for 14 days at 37°C and 5% CO ₂ for two passages and evaluated for cytopathic effect and expression of viral antigen by indirect immunofluorescence assay	No viable virus detected	No viable virus detected

¹The GE value reported is obtained using Qiagen RNA extraction kit (Cat. # 52926).

²Performed at University of Texas Medical Branch, Galveston, Texas, USA

/Sonia Bjorum Brower/

Sonia Bjorum Brower

28 OCT 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.

