

**Influenza A Virus,  
A/mallard duck/Pennsylvania/10218/84 (H5N2)**

**Catalog No. NR-2758**  
(Derived from ATCC® VR-1331™)

**For research use only. Not for human use.**

**Contributor:**  
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**Product Description:**

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain/Isolate: A/mallard duck/Pennsylvania/10218/84 (H5N2)

Original Source:<sup>1</sup> Isolated from the cloacal swab of a hunter-killed adult female mallard in Lebanon County, PA

Comments: Influenza A/mallard duck/Pennsylvania/10218/84 (H5N2) was deposited at ATCC® by Robert G. Webster, Ph.D., St. Jude Children's Research Hospital, Memphis, Tennessee.

**Material Provided:**

Each vial contains approximately 1 mL of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs infected with influenza A virus, A/mallard duck/Pennsylvania/10218/84 (H5N2).

Note: If homogeneity is required for your intended use, please plaque-purify prior to initiating work.

**Packaging/Storage:**

NR-2758 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Growth Conditions:**

Host: 10-day-old SPF embryonated chicken eggs

Infection: Embryonated chicken eggs must be candled for viability prior to inoculation

Incubation: 1–3 days at 35°C in a humidified chamber without CO<sub>2</sub>

Effect: Hemagglutination activity using 0.5% chicken red blood cells

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Influenza A Virus, A/mallard duck/Pennsylvania/10218/84 (H5N2), NR-2758."

**Biosafety Level: 2**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services,

Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see [www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm).

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**References:**

- Hinshaw, V. S., et al. "Influenza Virus Surveillance in Waterfowl in Pennsylvania after the H5N2 Avian Outbreak." Avian Dis. 30 (1986): 207–212. PubMed: 3015104.
- Rudneva, I. A., et al. "Restoration of Virulence of Escape Mutants of H5 and H9 Influenza Viruses by Their Readaptation to Mice." J. Gen. Virol. 86 (2005): 2831–2838. PubMed: 16186239.
- Kaverin, N. V., et al. "Structure of Antigenic Sites on the Haemagglutinin Molecule of H5 Avian Influenza Virus and Phenotypic Variation of Escape Mutants." J. Gen. Virol. 83 (2002): 2497–2505. PubMed: 12237433.

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