

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 use in humans.

Contributor:

ATCC®

Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

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

Original Source: NR-2758 was isolated from the cloacal swab of a hunter-killed adult female mallard in Lebanon County, Pennsylvania, USA.¹

Comments: Influenza A virus, 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, USA.

Material Provided:

Each vial contains approximately 1.0 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 purify prior to initiating work.

Packaging/Storage:

NR-2758 was packaged aseptically in 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: 9- to 11-day-old SPF embryonated chicken eggs

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

Incubation: 2 days at 35°C in a humidified chamber

Effect: Hemagglutination activity using allantoic fluid from infected embryonated chicken eggs and chicken red blood cells

Citation:

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

Biosafety Level: 3

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 (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

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References:

1. 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.
2. 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.
3. 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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