

**Influenza A Virus,  
A/mallard/Alberta/155/2009 (H1N9)**

**Catalog No. NR-45133**

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

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain: A/mallard/Alberta/155/2009 (H1N9)

Original Source: Influenza A virus, A/mallard/Alberta/  
155/2009 (H1N9) was isolated from a mallard in Alberta,  
Canada on August 19, 2009.<sup>1</sup>

Comments: Sequence information is available for influenza  
A virus, A/mallard/Alberta/155/2009 (H1N9) at the  
[Influenza Research Database](#).

**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/Alberta/  
155/2009 (H1N9).

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

**Packaging/Storage:**

NR-45133 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: 9- to 11-day-old SPF embryonated chicken eggs

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

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

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

**Citation:**

Acknowledgment for publications should read "The following  
reagent was obtained through BEI Resources, NIAID, NIH:  
Influenza A Virus, A/mallard/Alberta/155/2009 (H1N9), NR-  
45133."

**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, 2009; see  
[www.cdc.gov/biosafety/publications/bmb15/index.htm](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**Reference:**

1. Bahl, J., et al. "Influenza A Virus Migration and  
Persistence in North American Wild Birds." PLoS  
Pathog. 9 (2013): e1003570. PubMed: 24009503.

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