

## **Product Information Sheet for NR-3535**

# Kilbourne F109: A/equine/Prague/1/56 (HA) x A/Aichi/2/68 (NA) x A/Puerto Rico/8/34 (H7N2), Reassortant X-32

## Catalog No. NR-3535

Derived from NIAID Catalog No. V-331-0E5148

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

#### Contributor:

National Institutes of Allergy and Infectious Diseases, National Institutes of Health

#### **Product Description:**

Virus Classification: Orthomyxoviridae, Influenzavirus A

Species: Influenza A virus

Reassortant: A/equine/Prague/1/56 (HA) x A/Aichi/2/68 (NA) x A/Puerto Rico/8/34 (H7N2) (Kilbourne F109; X-32)<sup>1-3</sup>

Comments: Influenza A/equine/Prague/1/56 (HA) x A/Aichi/2/68 (NA) x A/Puerto Rico/8/34 (H7N2) viruses have been used as experimental neuraminidase (NA)-specific vaccine in humans.<sup>4</sup>

#### **Material Provided:**

Each vial contains approximately 1 mL of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs infected with reassortant influenza A virus, A/equine/Prague/1/56 (HA) x A/Aichi/2/68 (NA) x A/Puerto Rico/8/34 (H7N2).

#### Packaging/Storage:

NR-3535 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -70°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

<u>Infection</u>: Embryonated chicken eggs must be candled for viability prior to inoculation

 $\begin{array}{lll} \underline{\text{Incubation}} \colon & \text{1-3 days at } 33\text{-}35^{\circ}\text{C in a humidified chamber} \\ & \text{without } \text{CO}_2 \end{array}$ 

<u>Effect</u>: Hemagglutination (HA) activity using chicken red blood cells and allantoic fluid from infected embryonated chicken eggs

Note: This reassortant has greater NA activity than HA activity and more NA per virion. Therefore, HA activity should be measured at 4°C because of the rapid elution of the virus from 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: Kilbourne F109: A/equine/Prague/1/56 (HA) x

A/Aichi/2/68 (NA) x A/Puerto Rico/8/34 (H7N2), Reassortant X-32, NR-3535."

### 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. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

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#### References:

- 1. http://www.flu-archive.org/data\_sheets/F109.doc
- 2. http://www.flu-archive.org/
- http://www.fluarchive.org/search/results.pl?search string=&join type=a nd
- 4. Couch, R. B. et al. "Induction of Partial Immunity to Influenza by a Neuraminidase-Specific Vaccine." J. Infect.

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<u>Dis.</u> 129 (1974): 411-420. PubMed: 4593871.

 Mowshowitz, S. and E. D. Kilbourne. "Genetic Dimorphism of Neuraminidase in Recombinants of H3N2 Influenza Virus." In: <u>Negative Strand Viruses</u>, Volume 2. Ed. R. D. Barry and B. W. J. Mahy. Academic Press, London, 1975. 765-775.

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