

Genomic RNA from Kilbourne F11: A/Rockefeller Institute/5/57 (H2N2)

Catalog No. NR-9678

For research use only. Not for human use.

Contributor:

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

Manufacturer:

NIH Biodefense and Emerging Infections Research
Resources Repository

Product Description:

Genomic RNA was isolated from a preparation of pooled allantoic fluid from specific-pathogen free embryonated chicken eggs infected with wild type influenza A virus, A/Rockefeller Institute/5/57 (H2N2) (Kilbourne F11).¹⁻³

NR-9678 has been qualified for PCR applications by amplification of an approximately 1030 nucleotide sequence. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:

Each vial contains 100 µL of viral genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0) containing sodium azide. The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-9678 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Genomic RNA from Kilbourne F11: A/Rockefeller Institute/5/57 (H2N2), NR-9678."

Biosafety Level: 1

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.

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References:

1. http://www.flu-archive.org/data_sheets/F11.doc
2. <http://www.flu-archive.org/>
3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and
4. Choppin, P. W. and I. Tamm. "Two Kinds of Particles with Contrasting Properties in Influenza A Virus Strains from the 1957 Pandemic." *Virology* 8 (1959): 539-542. PubMed: 13809995.
5. Kilbourne, E. D. and J. S. Murphy. "Genetic Studies of Influenza Viruses. I. Viral Morphology and Growth Capacity as Exchangeable Genetic Traits. Rapid *in ovo* Adaptation of Early Passage Asian Strain Isolates by Combination with PR8." *J. Exp. Med.* 111 (1960): 387-406. PubMed: 13755924.

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