

**Genomic RNA from Influenza A Virus,
A/Japan/305/57 (H2N2)****Catalog No. NR-2775****For research use only. Not for human use.****Contributor:**

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Manufacturer:NIH Biodefense and Emerging Infections Research
Resources Repository**Product Description:**

Genomic RNA was isolated from a preparation of pooled chicken allantoic fluid infected with influenza A virus, A/Japan/305/57 (H2N2).

Influenza A virus, A/Japan/305/57 (H2N2) was isolated from a patient (American Military Personnel) in Japan, 1957.

NR-2775 has been qualified for PCR applications by amplification of an approximately 1000 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). 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-2775 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 Influenza A Virus, A/Japan/305/57 (H2N2), NR-2775."

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/bmbl5/bmbl5toc.htm.

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References:

1. Meyer Jr., H. M., et al. "New Antigenic Variant in Far East Influenza Epidemic, 1957." *Proc. Soc. Exp. Biol. Med.* 95 (1957): 609–616. PubMed: 13453522.
2. Monto, A. S. and F. Olazabal, Jr. "Asian Influenza in the Panama Canal Zone: Isolation of a Virus Variant and Protective Effect of a Vaccine Containing A2/Japan/305/57." *Am. J. Epidemiol.* 83 (1966): 101–112. PubMed: 5910213.
3. Naeve, C. W. and D. Williams. "Fatty Acids on the A/Japan/305/57 Influenza Virus Hemagglutinin Have a Role in Membrane Fusion." *EMBO J.* 9 (1990): 3857–3866. PubMed: 2249653.
4. Hoffmann, E., et al. "Universal Primer Set for the Full-Length Amplification of All Influenza A Viruses." *Arch. Virol.* 146 (2001): 2275–2289. PubMed: 11811679.

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