

Product Information Sheet for NR-3619

Kilbourne F104: A/Rockefeller Institute/5/1957 (HA) x A/NWS/1934 (NA) (H2N1), Reassortant X-27

Catalog No. NR-3619

Derived from NIAID Catalog No. V-331-0E5501

For research use only. Not for human use.

Contributor:

National Institutes of Allergy and Infectious Diseases (NIAID),
National Institutes of Health (NIH)

Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae*, *Influenzavirus A*

Species: Influenza A virus

Reassortant: A/Rockefeller Institute/5/1957 (HA) x A/NWS/1934 (NA) (H2N1) (Kilbourne F104; X-27)¹⁻³

Parents: A/Rockefeller Institute/5/1957 (H2N2) and A/NWS/1934 (H1N1)

Comments: The NA donor of NR-3619 is designated "A/NWS/34" in the Kilbourne Archive.¹ According to Kilbourne, the nomenclature for neurotropic (NWS and WSN) mutants of the original A/Wilson-Smith/1933 (H1N1) human influenza isolate does not usually require the insertion of a date, but if a date is given it should be 1933.⁴ Unfortunately, the usage of A/NWS/1933 and A/NWS/1934 is inconsistent, both in the Kilbourne collection and in the literature.

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/Rockefeller Institute/5/1957 (HA) x A/NWS/1934 (NA) (H2N1).

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

Packaging/Storage:

NR-3619 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 the BEI Resources, NIAID, NIH: Kilbourne F104: A/Rockefeller Institute/5/1957 (HA) x A/NWS/1934 (NA) (H2N1), Reassortant X-27, NR-3619."

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, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

ATCC® employs Biosafety Level 3 facilities with respiratory protection for research and production activities utilizing human influenza A/H2 viruses. All studies with this virus must be conducted in a BSL-3 facility.

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References:

1. <https://www.beiresources.org/Portals/2/Flu-archiveDocs/F104.doc>
2. <https://www.beiresources.org/Flu-archive.aspx>
3. <https://www.beiresources.org/Catalog/animalViruses/NR-3619.aspx#>
4. <http://www.beiresources.org/flu-archive/Downloads.aspx> (Archive and Catalog of Influenza Virus Reassortants and Mutants).

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