Product Information Sheet for NR-28620

Influenza A Virus, A/Hong Kong/1/1968 (H3N2) (mother clone)

Catalog No. NR-28620

For research use only. Not for use in humans.

Contributor:
Earl G. Brown, Ph.D., Department of Biochemistry, Microbiology and Immunology, University of Ottawa, Ottawa, Ontario, Canada

Manufacturer:
BEI Resources

Product Description:
Virus Classification: *Orthomyxoviridae*, *Influenzavirus A*
Species: Influenza A virus
Strain/Isolate: A/Hong Kong/1/1968 (H3N2)
Original Source: Influenza A virus, A/Hong Kong/1/1968 (H3N2) was isolated from a human in Hong Kong on July 17, 1968.[1]
Comments: The prototype strain of the 1968 influenza epidemic in Hong Kong was originally isolated in primary monkey kidney cells by W. K. Chang and sent to the WHO World Influenza Centre in London, where it was passaged twice in monkey kidney cells and twice in eggs. It was passaged once more in eggs and plaque purified twice in MDCK cells at the Laboratory Center for Disease Control, Health Canada, Ottawa. The cloned virus was passaged twice in eggs before deposit to BEI Resources.[1,2,3] Sequence information is available for influenza A virus, A/Hong Kong/1/1968 (H3N2) at the Bacterial and Viral Bioinformatics Resource Center.

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/Hong Kong/1/1968 (H3N2).

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

Packaging/Storage:
NR-28620 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 to confirm viability prior to inoculation
Incubation: 2 days at 34°C in a humidified chamber
Effect: Hemagglutination activity using allantoic fluid from infected embryonated chicken eggs and chicken red blood cells

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Influenza A Virus, A/Hong Kong/1/1968 (H3N2), NR-28620."

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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:
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BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

References:

1. Chang, W. K., "National Influenza Experience in Hong Kong, 1968." Bull. World Health Organ. 41 (1969): 349-351. PubMed: 5309438.
2. Brown, E. G., Personal Communication.
3. Ping, J., et al. "Genomic and Protein Structural Maps of Adaptive Evolution of Human Influenza A Virus to Increase Virulence in the Mouse." PLoS One. 6 (2011): e21740. PubMed: 21738783.

Support Provided by NIAID

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www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898