

**Influenza A Virus, A/duck/  
Czechoslovakia/1956 (H4N6) (uncloned)**

**Catalog No. NR-28614**

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

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain: A/duck/Czechoslovakia/1956 (H4N6), also A/duck Czech Republic/1956 (H4N6) and A/duck Czech Republic/1/1956 (H4N6)

Original Source: Influenza A virus, A/duck/Czechoslovakia/1956 (H4N6) was isolated from a duck in Košice, in what is now Slovakia, in 1956.<sup>1,2</sup>

Comments: Sequence information is available for influenza A virus, A/duck/Czech Republic/1/1956(H4N6) at the [Influenza Research Database](#). Note that although NR-28614 was deposited to BEI Resources as A/duck/Czechoslovakia/1956 (H4N6), nucleotide sequence obtained from the same source material by the NIAID Influenza Genome Sequencing Consortium was deposited to NCBI and IRD as A/duck/Czech Republic/1/1956 (H4N6). Comparison of several published nucleotide sequences indicates that the two strain designations can be considered synonymous. Moreover, a review of the literature suggests that this virus is ultimately derived from the Czechoslovak duck influenza virus first described by Koppel, et al, and originally known as A/Anatis/Košice/1956.<sup>1,2</sup> Košice is located in eastern Slovakia, not in the Czech Republic.

**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/duck/Czechoslovakia/1956 (H4N6).

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

**Packaging/Storage:**

NR-28614 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: 3 days at 34°C in a humidified chamber without CO<sub>2</sub>

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 BEI Resources, NIAID, NIH: Influenza A Virus, A/duck/Czechoslovakia/1956 (H4N6) (uncloned), NR-28614."

**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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Koppel, Z. J., et al. "A Mass Infection of Ducklings in Eastern Slovakia." Veterinářství 6 (1956): 267.
2. Pereira, H. G., B. Tůmová and V. G. Law. "Avian Influenza A Viruses." Bull. World Health Organ. 32 (1965): 855-860. PubMed: 5294310.

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