

Influenza C Virus, C/Taylor/1233/1947

Catalog No. NR-3183

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Contributor:

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

Manufacturer:

Parke, Davis and Company, in late 1960's

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus C*

Agent: Influenza C virus

Strain/Isolate: C/Taylor/1233/1947

Original Source: Initially isolated in the USA in 1947; Parke, Davis and Company preparation was obtained from NIAID's historical repository

Comment: Sequence information is available for influenza C virus, C/Taylor/1233/1947 at the [Influenza Research Database](#).

Influenza C viruses are known to infect humans and pigs. The virion is spherical, but filamentous forms may occur. Influenza C/Taylor/1233/1947 is the oldest reference strain of influenza C.¹

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from embryonated chicken eggs infected with influenza C virus, C/Taylor/1233/1947.

Packaging/Storage:

The product is provided frozen and should be stored at -80°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: 8-day-old embryonated chicken eggs

Effect: Hemagglutination activity using a solution of 1% human type O red blood cells and allantoic fluid from infected embryonated chicken eggs for one hour at 2-8°C

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Influenza C Virus, C/Taylor/1233/1947, NR-3183."

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

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References:

1. Taylor, R. M. "Studies on Survival of Influenza Virus between Epidemics and Antigenic Variants of the Virus." *Am. J. Public Health* 39 (1949): 171-178. PubMed: 1527782.
2. Francis, T. Jr., J. J. Quilligan Jr., and E. Minuse. "Identification of Another Epidemic Respiratory Disease." *Science* 122 (1950): 495-497. PubMed: 14787444.
3. Antón, A, et al. "Influenza C Virus Surveillance During the First Influenza A (H1N1) 2009 Pandemic Wave in Catalonia, Spain." *Diagn. Microbiol. Infect Dis.* 69 (2011): 419-427. PubMed: 21396539.

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