

Native Influenza (B/Florida 07/04) IBVF0704 protein

Cat. No. IBVF0704-224I Lot. No. (See product label)

SPECIFICATION

Product Overview Allantoic fluid of 10 days old embryonated eggs, inoculated with influenza B virus, strain B/Florida/07/04. The Influenza B Virus was purified by Ultracentrifugation with 10-40 % sucrose gradient.

Species Influenza B virus

Source 10 days old embryonated eggs

Description Influenza-B virus is a genus in the virusfamily Orthomyxoviridae. The only species in this genus is called "Influenza B virus". Influenza B virus only infects humansand seals. This limited host range is apparently in contrast with those caused by the similar Influenza virus A as both mutate by both genetic drift and reassortment. Influenza-B virus evolves slower than A viruses and faster than C viruses. Influenza-B virus mutates at a rate 2-3 times lower than type A. However, influenza B mutates enough that lasting immunity is not possible. The Influenza B virus capsidis enveloped while its virionconsists of a matrix protein + envelope + nucleoprotein complex + nucleocapsid, and a polymerasecomplex. Influenza B is sometimes spherical and sometimes filamentous. Its 500 or so surface projections are made of hemagglutinin and neuraminidase. The Influenza B virus is 14648 nucleotideslong and consists of eight segments of linear negative-sense, single-stranded RNA. The multipartite genome is encapsidated, each segment in a separate nucleocapsid, and the nucleocapsids are surrounded by one envelope.

Form Sterile Filtered colorless solution. The B/Florida/07/04 solution contains STE, 0.09%

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	sodium azide (NaN ₃) and 0.005% thimerosal.
Purity	Greater than 90.0% as determined by SDS-PAGE.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	B/Florida/07/04 although stable 4°C for 4 weeks, should be stored below -18°C. Please prevent freeze-thaw cycles.
Shipping	Ice Packs

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