

Native Influenza (B/Victoria/504/00) IBVV0400 protein

Cat. No. IBVV0400-231I **Lot. No.** (See product label)

SPECIFICATION

Product Overview Allantoic fluid of 10 days old embryonated eggs, inoculated with influenza B virus, strain B/Victoria/504/00. The Influenza B Virus was purified by Ultracentrifugation with 10-40 % sucrose gradient.

Species Influenza B virus

Source 10 days old embryonated eggs

Description

Influenzavirus B 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 Aas 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.

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Form	Sterile Filtered colorless solution. The B/Victoria /53/99 solution contains STE, 0.1% sodium azide (NaN ₃) and 0.005% thimerosal.
Purity	Greater than 90.0% as determined by SDS-PAGE.
Applications	Serological studies of influenza B virus, immunogen for antibody production.
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/Victoria/504/00 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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