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Influenza-B Qingdao

Catalog #:IHPS-023

For research use only.

Description: Allantoic fluid of 10 days old embryonated eggs, inoculated with influenza B virus, strain B/Qingdao/102/91. The Influenza B Virus was purified by Ultracentrifµgation with 10-40 % sucrose gradient.

Physical Appearance: Sterile Filtered colorless solution.

Purity: Greater than 90.0% as determined byAnalysis by SDS-PAGE.

Formulation:

The B/Qingdao/102/91 solution contains 0.1M NaCl, 10mM Tris Hcl, 1mM EDTA pH-8, 0.1 % sodium azide (NaN3) and 0.005 % thimerosal.

Stability:

B/Qingdao/102/91 althoµgh stable 4°C for 4 weeks, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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 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 enoµgh 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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