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Influenza-B Victoria

Influenza-B Virus Victoria/504/00
VAG0390

Product Overview

Name	Influenza-B Victoria

Description

Influenza-B Virus Victoria/504/00

Introduction

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.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The B/ Victoria /53/99 solution contains STE, 0.1% sodium azide (NaN3) and 0.005% thimerosal.

Stability

B/Victoria/504/00 although stable 4°C for 4 weeks, should be stored below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Applications

Serological studies of influenza B virus, immunogen for antibody production.

Note

Contains thimerosal (0.005%) and sodium azide (0.1%) as preservative. Although the amounts are very small, appropriate care must be taken when handling this product.

Inactivation

Thimerosal and beta propiolactone treatment This product has been treated in a manner consistent with methods of inactivation. Generally accepted good laboratory practices appropriate to microbiological/viral safe handling practices and techniques are required at work.

Immunological Activity

Tested with anti-influenza B monoclonal antibodies in ELISA.

Precautions

Influenza-B Victoria is for research use only and not for use in diagnostic or therapeutic procedures.