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Influenza-B Florida

Influenza-B Virus Florida 07/04
VAG0385

Product Overview

Name	Influenza-B Florida

Description

Influenza-B Virus Florida 07/04

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 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.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The B/Florida/07/04 solution contains STE, 0.09% sodium azide (NaN 3) and 0.005% thimerosal.

Stability

B/Florida/07/04 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.

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.

Precautions

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

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