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H1N1 California

H1N1 Influenza Virus California/04/2009 Recombinant
VAG0154

Product Overview

Name	H1N1 California

Description

H1N1 Influenza Virus California/04/2009 Recombinant

Introduction

H1N1 is subtype specie of Influenza A virus. H1N1 Influenza Virus has mutated into various strains such as the Spanish Flu strain, mild human flu strains, endemic pig strains, and various strains found in birds. The Influenza A Virus is a globular particle about 100nm in diameter, sheathed in a lipid bilayer derived from the plasma membrane of its host. Studded in the lipid bilayer are two integral membrane proteins some 500 molecules of hemagglutinin ("H") and some 100 molecules of neuraminidase ("N"). Within the lipid bilayer are 3000 molecules of matrix protein and 8 pieces of RNA. Each of the 8 RNA molecules is associated with many copies of a nucleoprotein, several molecules of the three subunits of its RNA polymerase some "non-structural" protein molecules of uncertain function.

Source

Baculovirus Insect Cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The Recombinant H1N1 A/California/04/2009 solution conteins 10mM Sodium phosphate pH-7, 150mM Sodium Chloride and 0.005% Tween 20.

Stability

The Recombinant H1N1 A/California/04/2009 Recombinant should be stored at 4°C. Do NOT Freeze!

Purity

Greater than 90.0% under the conditions that would preserve its biological activity and tertiary structure.

References

1. Title :Broadly cross-reactive antibodies dominate the human B cell response against 2009 pandemic H1N1 influenza virus infection. Publication : The Rockefeller University Press , doi: 10.1084/jem.20101352 © 2011 Wrammert et al. Link : H1N1 California prospec publication

Precautions

H1N1 California is for research use only and not for use in diagnostic or therapeutic procedures.

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