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Product Information

Influenza virus-like particles (H3N2 VLPs)

{AlternativeNames}

Cat. No.: **VLP-036YF**
This product is for research use only and is not intended for diagnostic use.

Recombinant Influenza virus M1 virus-like particles (H3N2 M1 VLPs) are produced in Baculovirus/Insect cell expression system, assembled with structural proteins (HA, NA, M1 and M2). VLP is mimicking the native 3D structure of viruses which can elicit strong immune responses. However, VLPs lack viral genomic material which makes them non-infectious, unable to replicate and enhance the safety during manufacture and administration. H3N2 M1 VLPs can be used in the development of Influenza virus diagnostics and in vaccine development and R&D (including use as an immunogen).

Product Specifications

Structural Proteins

Structural proteins (HA, NA, M1 and M2)

Expression Systems

Insect cell (Sf9) expression system

Form

Liquid

Alternative Names

Influenza; Influenza virus-like particles; H3N2; H3N2 virus-like particles; Influenza VLPs; H3N2 VLPs; virus-like particles; VLPs

Storage

Store at -80°C long term. Avoid repeated freeze/thaw cycles.

Virus Background

Virus Family

Orthomyxoviridae

Virus Species

Influenza virus

Virus Overview

Influenza A virus causes influenza in birds and some mammals, and is the only species of the genus Alphainfluenzavirus of the virus family Orthomyxoviridae.Influenza A viruses are negative-sense, single-stranded, segmented RNA viruses. The several subtypes are labeled according to an H number (for the type of hemagglutinin) and an N number (for the type of neuraminidase). There are 18 different known H antigens (H1 to H18) and 11 different known N antigens (N1 to N11).Each virus subtype has mutated into a variety of strains with differing pathogenic profiles; some are pathogenic to

one species but not others, some are pathogenic to multiple species.

Virus Structure

Enveloped, negative-sense, single-stranded RNA virus

Related Disease

Influenza

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