

Dengue Virus VLP-Serotypes 1-4

Cat. No. DEN-161 Lot. No. (See product label)

SPECIFICATION

Product Overview

This Dengue VLP multi-pack has been prepared in response to many customers requesting a combination pack for the purchase of all 4 Dengue VLP serotypes. We now offer a convenient multi-pack in which 1 vial of each serotype VLP is included with a 15% discount on the price compared to ordering the products individually. This multi-pack is ideal for cross-reactivity screening and other such experiments.

Background

With more than one-third of the world's population living in areas at risk of transmission, dengue infection is a leading cause of illness and death in the tropics and subtropics (ref WHO for Guidelines for Diagnosis, Treatment, Prevention & Control, 2009) As many as 100 million people are infected yearly. Dengue is caused by any one of four related viruses transmitted by mosquitoes. There are no vaccines available to prevent infection with dengue virus.

Virus-Like Particles (VLPs) are an emerging vaccine technology. VLPs consist of protein shells comprising outer proteins specific to the virus in question. VLPs are more representative of how viral antigens are presented in vivo and while they are highly immunogenic they are non-infectious as they lack the core genetic material of the virus. Another important advantage of VLPs is that they more effectively activate key aspects of the immune response to achieve potent immune stimulation and to provide immunological memory. VLP-based vaccines have also shown to provide effective protection and are in current use for several diseases and in development for many others.

Notes

This product is intended for research and manufacturing uses only. It is not a diagnostic device. The user assumes all responsibility for care, custody and control of

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the material, including its disposal, in accordance with all regulations.

ClassID 1 Infectious Disease

GENE INFORMATION

Synonyms DENV VLP-Serotypes 1-4

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