



Recombinant Dengue Virus Serotype 1-4 virus-like particles antigen (DAGC021)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Multi-pack of all Dengue Virus VLPs, containing 100ug each of VLPs from serotypes 1-4
Species	DENV
Purity	> 95% pure by SDS-PAGE
Conjugate	Unconjugated
Stability	At 4°C:1 week. At -80°C: 1 year
Format	Liquid
Size	400 µg
Preservative	None
Storage	Short term: 2-8°C; Long term: -80°C. Can be frozen, avoid multiple freeze/thaw cycles. Avoid excessive mixing or shocking to prevent aggregation. Long term storage above -80°C may result in aggregate formation.
Ship	Dry ice

BACKGROUND

Introduction	Dengue virus (DEN) is a small single-stranded RNA virus comprising four distinct serotypes (DEN-1 to -4). These closely related serotypes of the dengue virus belong to the genus <i>Flavivirus</i> , family <i>Flaviviridae</i> . The mature particle of the dengue virus is spherical with a diameter of 50nm containing multiple copies of the three structural proteins, a host-derived membrane bilayer and a single copy of a positive-sense, single-stranded RNA genome. The
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genome is cleaved by host and viral proteases in three structural proteins (capsid, C, prM, the precursor of membrane, M, protein and envelope, E) and seven nonstructural proteins (NS).

Keywords

Dengue Virus virus-like particles; DENV VLP; DENV; VLP; Dengue Virus
