



Pseudotyped VSV-SARS-CoV-2 S-ΔG-GFP (Omicron variant, BA.2) (COV-PSV49)

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

PRODUCT INFORMATION

Product Overview

Pseudotyped VSV-SARS-CoV-2 S-ΔG-GFP (Omicron variant, BA.2) encodes the antigenomic-sense (or positive-sense) RNA of a replicaton-restricted recombinant vesicular stomatitis virus (rVSV) in which the glycoprotein (G) gene has been replaced with SARS-CoV-2 spike protein (T19I, Δ24-26, A27S, G142D, V213G, G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, S477N, T478K, E484A, Q493R, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H, N764K, D796Y, Q954H, N969K). Because the infectivity of Pseudotyped VSV-SARS-CoV-2 S-ΔG-GFP is restricted to a single round of replication, the pseudotypes can be handled using BSL-2 containment practices. The pseudotype VSV particles encode GFP together with the VSV nucleocapsid (N), phosphoprotein (P), glycoprotein (G), and large polymerase subunit (L) in their pVSV-ΔG vector. When the VSV pseudovirus infect the target cells, GFP expression is proportional to the number of cells that were infected.

Specificity	SARS-CoV-2
Species	Virus
Size	1 mL
Storage	Store at -80°C. Multiple freeze/thaw cycles not recommended. When using the virus, transfer the virus from the -80° C refrigerator and melt it in an ice bath.
Ship	Frozen on dry ice

BACKGROUND

Keywords

SARS-CoV-2; Coronavirus; SARS-CoV; SARS-CoV-2 Envelope Protein; SARS-CoV-2 Envelope glycoprotein; SARS-CoV-2 glycoprotein; Severe Acute Respiratory Syndrome; Severe Acute Respiratory Syndrome-2; Severe Acute Respiratory Syndrome glycoprotein; Severe Acute Respiratory Syndrome-2 glycoprotein; SARS-CoV-2 Pseudovirus; SARS-CoV

