



# Pseudotyped Luciferase rSARS-CoV-2 Spike, Danish/mink Cluster 5 (dFVI) (COVL-DC5)

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

## PRODUCT INFORMATION

### Product Overview

SARS-CoV-2 Pseudovirus (Danish/mink Cluster 5 (dFVI)) are used to test the ability of serum, antibodies, and drugs to neutralize the infectivity of SARS-CoV-2 spike protein. Pseudovirus display antigenically correct spike protein pseudotyped on replication-incompetent virus particles that contain a heterologous lentiviral (HIV) core. Pseudovirus are capable of a single round of infection and carry a genome that expresses Luciferase optical reporter gene upon infection. Pseudovirus are produced in HEK293T cells using three separate plasmids, encoding the spike protein ( $\Delta$ H69/V70, Y453F, I692V, M1229I), a lentiviral gag polyprotein, and a reporter gene. Pseudovirus are created using a second-generation lentiviral system with components that are highly unlikely to recombine to produce a fully infectious virus (requiring 3 separate recombination events to do so). However, lentiviruses are capable of genomic integration and Pseudovirus are derived from biological materials so should be handled with caution within a BSL2 or enhanced BSL2 laboratory environment.

|                |                                                                                                                                                                    |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b> | SARS-CoV-2 ( $\Delta$ H69/V70, Y453F, I692V, M1229I)                                                                                                               |
| <b>Size</b>    | 1 ml                                                                                                                                                               |
| <b>Storage</b> | Store at -80°C. Multiple freeze/thaw cycles not recommended.<br>When using the virus, transfer the virus from the -80 ° C refrigerator and melt it in an ice bath. |
| <b>Ship</b>    | Frozen on dry ice                                                                                                                                                  |