

## FNV-SARS-CoV-2 (partial sequence of ORF1a/b and N Gene)

Cat# PV001

Store at -20°C for 6 months

### INFORMATION

<b>DESCRIPTION:</b>	The partial ORF1a/b SEQ.and N gene coding sequence were cloned into retroviral vector by chemical synthesis to obtain FNV-SARS-CoV-2 pseudovirus. The pseudovirus are prepared with using 293T. For the concentration and purification of the ultracentrifuge. For the FNV-SARS-CoV-2 pseudovirus we used ultracentrifugation. Viral envelope of the FNV-SARS-CoV-2-abEN pseudovirus include ORF1a/b SEQ.and N gene coding sequence, using in experiments which are related to RNA extraction and become the positive control of qPCR.
<b>PRODUCT NAME:</b>	FNV-SARS-CoV-2 pseudovirus
<b>APPLICATIONS:</b>	Research
<b>TAG:</b>	N Gene SEQ: agttcaagaaattcaactccaggcagcagtaggggaactctcctgctagaatggctggcaatggcggatgatgctgctcttg ctttgctgctgctgacagattgaaccagcttgagagcaaaatgctggttaa ORF1a/b SEQ : taatgaccctgtgggtttacttaaaaaacacagtctgtaccgtctgcggtatgtggaaagggtatggctgtagttgtgatcaac tccggaaccatgctcagtcagctgatgcacaatcgttttaaacgggttgcggtgtaa
<b>Main ingredient</b>	glucose 、 KH <sub>2</sub> PO <sub>4</sub> 、 Na <sub>2</sub> HPO <sub>4</sub> 、 NaCl 、 KCl 、 FNV-SARS-CoV-2 pseudovirus
<b>FORMULATION:</b>	Liquid
<b>PRODUCT:</b>	>1 x 10 <sup>7</sup> copy/ml in 1 ml
<b>STORAGE &amp; STABILITY:</b>	The product can be stored at -20°C or below for 6 months. Avoid repeated freezing and thawing cycles.



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## **PROTOCOL**

1. Pseudovirus Melting: The pseudovirus are taked from -20°C and melted with 4°C ice bath. You can execute the related experiments when the pseudovirus completely melted.
2. Pseudovirus Inactivate (optional operation): Extract the sufficient pseudovirus in eppendroft at 56°C for 30 min that need to operation in Biological safety cabinet (BSC).
3. Pseudovirus extraction and qPCR detection (materials prepare by yourself): Perform relevant experimental operations in accordance with the instructions of the RNA extraction kit and qPCR detection kit.

## **NOTE**

1. Freezing and thawing will reduce the stability of the pseudovirus, which will affect the effect of RNA extraction and results of qPCR detection. Avoid repeated freezing and thawing when using.
2. If you need to dilute the pseudovirus, you can choose the 1X PBS or physiological saline (0.9% NaCl).
3. Plaese rinse immediately with plenty of water when the pseudovirus accidentally splashed on eyes, skin or other body parts.
4. According to the medical waste disposal specifications, the experimental waste generated by using the pseudovirus needs to perform high pressure thermal sterilization process.

## **PRODUCT USE LIMITATION**

These products are intended for research use only.