



COVID-19 VLP (S; Luciferase)

Catalog: CBS-V927

PRODUCT INFORMATION

Product Name	COVID-19 VLP (S; Luciferase)
Catalog Number	CBS-V927
Source	Pseudotyped lentivirus
Virus Name	SARS-CoV-2
Virus Family	Coronaviridae
Composition	S-his, Luciferase
Purity	90%
Presentation	PBS
Description	It is the replication-incompetent particles in which the native, full-length COVID-19 S protein (with 6His-tag at its C-terminal) was pseudo-typed as the lentiviral particles' surface envelope protein. The virus genome is not included. Instead it was replaced by a Luciferase under CMV promoter. It is mock lentivirus. This VLP binds to cells that express any S-protein binding receptor, like ACE2. When this binding occur, the VLP stay at surface of the cells and also can get into cells, then the luciferase signal can be detected.

USAGE GUIDELINES

General Handling

Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.



Storage	Short term: +2°C to +8°C (up to 1 week) Long term: -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to ?3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.