



# COVID-19 VLP (S; Luciferase)

Catalog: CBS-V927

## PRODUCT INFORMATION

---

**Name** COVID-19 VLP (S; Luciferase)

**Cat No.** 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 occurs, the VLP stays at the surface of the cells and also can get into cells, then the luciferase signal can be detected.

## USAGE GUIDELINES

---

**General** Avoid excessive mixing or shocking to prevent aggregation. Long term storage above -80°C may result in aggregate formation.

**Storage** Short term: +2°C to +8°C  
Long term: -80°C

**Stability** n.a.

**Freezing** Can be frozen, but avoid multiple freeze/thaw cycles.