

### Certificate of Analysis

**Name:** Chikungunya Virus-Like Particle recombinant antigen

**Product code:** CHIKV-VLP-100

**Batch #:** 18092408

**Description:** Recombinant Chikungunya Virus-Like Particles produced in 293 human cells. Chikungunya structural proteins are transiently expressed to form a particle comprising E1, E2 and capsid protein, without the non-structural proteins or genome. Resultant particles are totally non-infectious.

This product is prepared from HEK293 cells cultured in fully synthetic media. No animal products are used during the production process.

**Amount:** 100µg

**Concentration:** 0.14 mg/ml (according to BCA assay using BSA standards in 20mM Tris-HCl, pH7.5, 125mM NaCl)

**Volume:** 0.735ml (+3% overfill)

**Presentation:** Liquid

**Buffer:** 20mM Tris-HCl, pH7.5, 125mM NaCl, 20% (w/v) sucrose


**Purity:** > 90% by SDS-PAGE. Two bands are expected. Capsid protein at approximately 50kD, and E1/E2 envelope proteins at approximately 32kD

#### Usage guidelines

**Storage:** -80°C (short term days +4°C)

**Stability:** Not performed

**Freezing:** Freeze on arrival, but avoid multiple freeze/thaw cycles



QC Officer

28-Sep-2018

Date

