

Zaire Ebolavirus/Makona 2014 Pseudovirus

Ebola Pseudoviral Particles, Zaire Ebolavirus/Makona 2014

CATALOG #
AAA62287

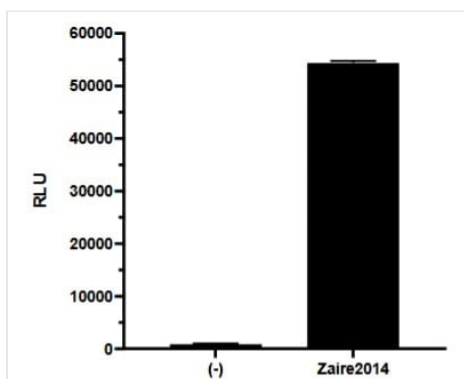
PRODUCT SYNONYMS

Zaire Ebolavirus/Makona 2014; Ebola Pseudoviral Particles; Zaire Ebolavirus/Makona 2014 pseudovirus

PRODUCT SPECIFICATIONS

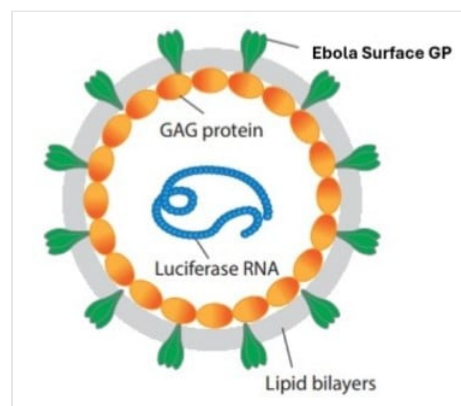
Form/Format	1 ml; OR 5 ml, for one multi-well plate. PP per mL > 1.0E+07
Features	Robust: Excellent signal to noise (basal) ratio Easy to use: Amenable to HTS format (96-well, 384-well and 1536-well format)
Preparation and Storage	Upon receiving it, store at -70 oC right away. Thaw* before immediate use. *Note: read the instruction for thawing in the following protocol carefully. Do not aliquot and refreeze. Shelf Life: Six months from the date of shipping when stored at -70 oC

IMAGES



Application Data

Figure 2. Pseudoviral Particle (PP) Infection Assays (Ebola pseudoviral particles on HEK293 cells) (Luminescence plate reader: BioTek Synergy 2, gain 255)Legends: (-): lentivirus control (w/o envelope protein) Zaire2014: Ebola pseudovirus particles



Application Data

Figure 1. Illustration of the replication-deficient lentivirus particle pseudotyped with Ebola virus surface Glycoprotein (GP)

ADDITIONAL INFORMATION

Related Product Information for Zaire Ebolavirus/Makona 2014 pseudovirus

Ebola virus enters a cell by utilizing its surface glycoprotein (GP), which acts as a key to binding to specific receptors on the host cell membrane.

This Ebola Pseudovirus is replication-deficient Lentivirus (LV) pseudotyped with the surface glycoprotein of Zaire ebolavirus (H.sapiens-wt/GIN/2014/Makona-Coyah-955)(GenBank: AKG65250). The PseudoViral Particles contain the ORF for firefly luciferase as a reporter. These allow to establish an ebolavirus cell entry assay mediated by the Ebola virus glycoprotein which can be conveniently quantified via measuring luciferase activity in the cells. This pseudovirus assay isolates the Ebola viral entry from other steps of the viral infection cycle.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.