

LentiGlo- Ready to use lentivirus expressing luciferase

Please store the product frozen at -80 °C

Product Protocol:

Cells are normally transduced cells at MOI (multiplicity of infection) of 10-50 depending on cell types. most humantumor cells infect really well at MOI10. polybrene does increase transduction efficiency, but some cells such as primary cells do not like it. you can obtain it from Sigma Chemicals, MO, USA.. We recommend using it at a 10ug/ml concentration (Polybrene is made up in PBS)

-Plate cells in 6-well plate at 70-80% confluency on day 1

-On day 2, remove media and add 1 ml of media containing lentivirus (MOI 10-50 use 20ul, 100 ul of Lentiprep provided) and 10 ug/ml polybrene (optional and not recommended for primary cells)

-On day 3 remove virus, wash cells and re-place with fresh media transfer cells to bigger plate once they are confluent.

-Assay for luciferase acitivity in the supernatant or examine cells for expression of fluorescent protein. Alternately intracellular luciferase acitivity can be quantitated by lysing cells with the Targeting Systems Cell lysis buffer (catalog 5X CLR-01)

-Use luciferase assay protocol provided with the luciferase assay reagent that is suppie dwith the LentiGlo kit.

Please call tech support 1-866-620-4018 if you need more information or need clarification on the protocol