



TOOLSilent Lentivirus Transduction Enricher

Cat. no. VT-KZ20-100 /

Product Size:

VT-KZ20-100 100 μ L

VT-KZ20-500 500 μ L

Storage: Store at 4°C.

Introduction

TOOLSilent Lentivirus Transduction Enricher is a mixture of polymers optimized for infecting most cells with lentivirus or retrovirus. It can increase the transduction rate by up to 10-fold. TOOLSilent Lentivirus Transduction Enricher is provided as a 500X solution, which is sufficient for 100 transductions in a 24-well plate. See below for more information on using TOOLSilent Lentivirus Transduction Enricher for retroviral or lentiviral transduction.

Protocol

1. On Day 1, plate 50,000 cells per well in a 24-well plate in cell culture medium.
2. Cells should be between 50% and 70% confluent on Day 2.
3. Aspirate the medium from the cells.
4. Combine the culture medium with TOOLSilent Lentivirus Transduction Enricher to a 1X final concentration.
5. Example: Add 1 μ L of TOOLSilent Lentivirus Transduction Enricher to 500 μ L of culture medium and then transfer to each well.
6. Add the virus to each well and rock the plate to mix well.
7. Optional: Add the virus to different wells at varying MOIs (e.g., 5, 10, and 20) to optimize the transduction.
8. On Day 5, approximately 72 hours after transduction, check the cells for reporter expression if the viral construct has a reporter-like GFP.
9. Aspirate the medium and wash the cells with phosphate-buffered saline.
10. Add 100 μ L of lysis buffer to each well.
11. Titrate virus according to the protocol of the given titration kit.

The product is for research only; not for diagnostic or clinical use.