

Product Name: **Virus Transduction Enhancer** Cat. #: **PV100** (100 µl) , **PV500** (500 µl)

Description:

This reagent can increase the transduction rate of lentivirus or retrovirus up to 10-fold in most cells. It is a mixture of polymers optimized for the infection of lentivirus or retrovirus to most cells. is provided as a 500x solution, sufficient for 100 transductions in a 24 well plate. It is intended for retroviral or lentiviral transduction.

Size: 100 µl (PV100) or 500 µl (PV500)

Ship: Ambient temperature

Storage: This product is stable for 3 months when stored at 4 °C or 6 months at -20 °C.

Quality Control: Each lot of Virus Transduction Enhancer is tested for sterility and successful increase in transduction efficiency of viral particles. This kit is **for research use only**. Not for use in diagnostic or therapeutic procedures.

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 to 70% confluent on Day 2.
3. Aspirate medium from cells.
4. Combine culture medium with Virus Transduction Enhancer to a 1X final concentration.
For Example: add 1 µl of the Enhancer to 500 µl culture medium and then transfer to each well.
5. Add virus to each well and rock the plate to mix well.
Optional: Add virus to different wells at varying MOIs (5, 10 and 20, etc.) to optimize the transduction.
6. On Day 5, about 72 hours post transduction, check the cells for reporter expression if the viral construct has a reporter like GFP.
7. Aspirate medium. Wash the cells with PBS.
8. Add 100µl of Lysis Buffer to each well.
9. Titrate virus according to protocol given by the titration kit. Done

Related products:

- SV40 T Antigen Cell Immortalization Kit (Cat.#: SV40T)
- hTERT Cell Immortalization Kit (Cat.#: hTERT)