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TransDux™ protocol (for Catalog# LV850A-1)

Day 1

1. Plate 50,000 cells per well in a 24 well plate in cell culture medium.

Day 2

2. Cells should be between 50 to 70% confluent.
3. Aspirate medium from cells.
4. **Combine culture medium with TransDux to a 1X final concentration.**
5. Example: Add 2.5 µl of TransDux to 500 µl culture medium and then transfer to each well.
6. Add virus to each well and swirl to mix.
7. Optional: Add increasing amounts of virus to different wells at varying MOIs (5, 10 and 20, etc.) to optimize the transduction.

Day 5

8. 72 hours post transduction, the viral genome will be integrated into the host cell genome.
9. Look at the cells for reporter expression if the viral construct has a reporter like GFP.
10. Aspirate off medium. Wash each well with PBS (at this point the plate can be frozen at -80^{0}C).
11. Add 100µl of Lysis Buffer (Ultra Rapid Titer Kit) to each well.
12. Titer virus according to protocol given in the Ultra Rapid Titer Kit.

If you have any questions, contact SBI anytime online at:

http://www.systembio.com/index.php?id=company_contact

Or call our Technical Support hotline: 650-968-2200