

Introduction

Lentivirus Storage Buffer is developed to preserve the infectivity of lentivirus in storage. When stored in regular production media, such as DMEM, after 6 months of storage at -80°C, most of the infectivity will be lost. In contrast, when stored in the Lentivirus Storage Buffer, the infectivity is well preserved.

Package Information

Components	M0060
Lentivirus Storage Buffer	50 ml

Storage

4°C stable for one year

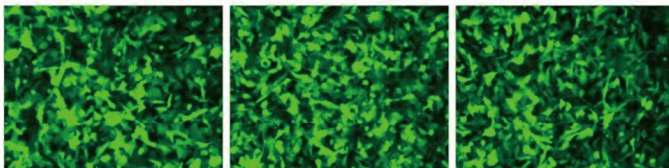
Protocol

1. Harvest lentiviral supernatant: Use Lentiviral Packaging Kit (Cat# M0040) to make lentiviral particles. Collect the lentiviral supernatant, centrifuge at 500 g for 10 min, then filter through 0.45 µm filter to remove any cell debris.
2. Mix lentiviral supernatants with Lentivirus Concentration Reagent: Transfer the lentiviral supernatants to 15 ml or 50 ml sterile conical centrifuge tubes depending on the volume; add 1 volume of cold Lentivirus Concentration Reagent to every 4 volumes of lentiviral supernatant. Mix by gentle inversion.
3. Incubation at 4°C or on ice: Incubate the mixture at 4°C or on ice for 1.5 hrs.
4. Centrifugation: Centrifuge at 3,500 g for 25 min at 4°C, remove the supernatant carefully.
5. Re-centrifuge at 3,500 g for 5 min at 4°C, remove the trace supernatant carefully.
6. Re-suspend the virus in cold, sterile Lentivirus Storage Buffer at 1/100 of the original sample volume by gently pipetting up and down or a higher volume if less concentrated virus is needed.
7. Aliquot and store at -80°C.

4°C for 1 day

4°C for 3 days

4°C for 1 week



GFP lenti particles were stored at 4°C for different time period, then transduced HT1080 cells. Fluorescent images were taken after 72 hours post-transduction.