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ABP Lentivirus Storage Buffer

Catalog Number: D022

Content and Storage

Component	Volume	Shipping Condition	Storage Condition
ABP Lentivirus Storage Buffer	50 mL	Room temperature	4°C stable for one year

Product Description

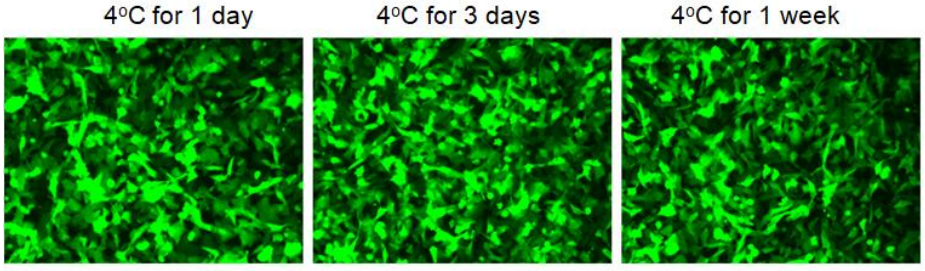
ABP Lentivirus Storage Buffer is developed to preserve the infectivity of lentivirus in storage. When stored in regular production media, usch as DMEM, after 6 months of storage at -80℃, most of the infectivity will be lost. In contrast, when stored in the ABP Lentivirus Storage Buffer, the infectivity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

Feature:

- Stabilizing lentivirus in storage
- Prolong storage (>1 year)
- Protect freeze and thaws

Protocol

1. **Harvest lentiviral supernatant**: Use ABP Lentiviral Packaging System (Cat# D020-01/02) to make lentiviral particles. Collect the lentiviral supernatant, centrifuge at 500g for 10 min, then filter through 0.45 µm filter to remove any cell debris.
2. **Mix lentiviral supernatants with ABP 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 ABP 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 3,500g for 25 min at 4°C, remove the supernatant carefully.
5. **Re-centrifuge** at 3,500g for 5 min at 4°C, remove the trace supernatant carefully.
6. **Re-suspend** the virus in cold, sterile ABP 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.



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.