TransLv™ Lentivirus Precipitation Solution (5×)

Cat. No. FV101

Storage: at 2-8°C for one year

Description

TransLv™ Lentivirus Precipitation Solution (5×) is designed to concentrate lentiviral particles by mixing with the lentivirus-containing supernatant, followed by a short period of incubation and standard centrifugation. The titer of concentrated lentivirus can be increased by up to 100-fold within 90 minutes, with excellent yield of 90%.

- No ultracentrifugation required.
- Easy, efficient and fast procedure.
- Hassle-free and easily scaled up for large volumes.
- Suitable for any lentiviral types.

Kit Contents

Component	FV101-01
Lentivirus Precipitation Solution (5×)	100 ml

Procedures

Materials required but not included:

Product Name	Catalog
PBS without calcium or magnesium	TransGen, Cat. FG701-01

(1) Harvest the lentivirus-containing supernatant and filter through a 0.45 μm filter.

(2) Transfer clarified supernatant to a sterile container. Combine 1 volume of Lentivirus Precipitation Solution (5×) with 4 volumes of clarified supernatant. Mix by gentle inversion and incubate for 45 minutes at 2-8°C. Incubation time can be adjusted according to virus volume, overnight if necessary.

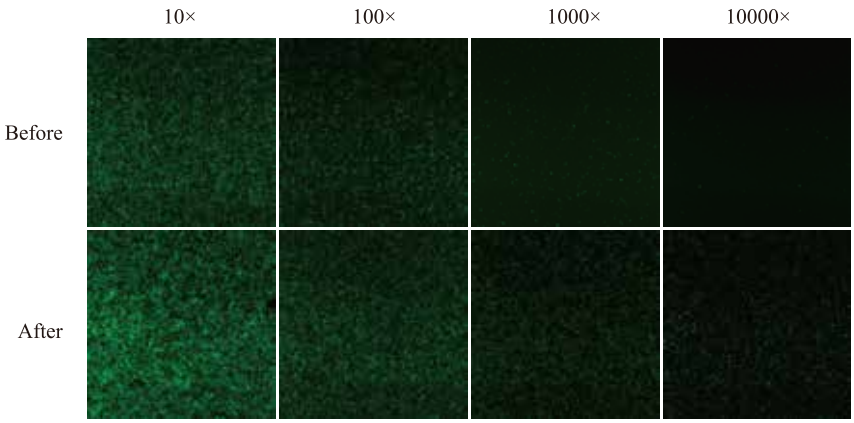
(3) Centrifuge the mixture at 7,000×g for 45 minutes at 2-8°C. Discard the supernatant carefully. Briefly centrifuge to remove the residual supernatant.

(4) Gently resuspend the pellet in 1/10 to 1/100 of the original volume using PBS.

(5) Immediately titrate sample or store at -80°C in single-use aliquots.

Example

HEK-293T cells were infected with a serial dilution of lentivirus concentrated by *TransLv*™ Lentivirus Precipitation Solution (5×), as shown below (40× magnification).



Notes

- Low-temperature operation is necessary to avoid loss of titer.
- Concentrated lentiviruses are suggested to be aliquoted into small volumes and kept in -80°C. Avoid repeated freeze-thaw cycles.

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