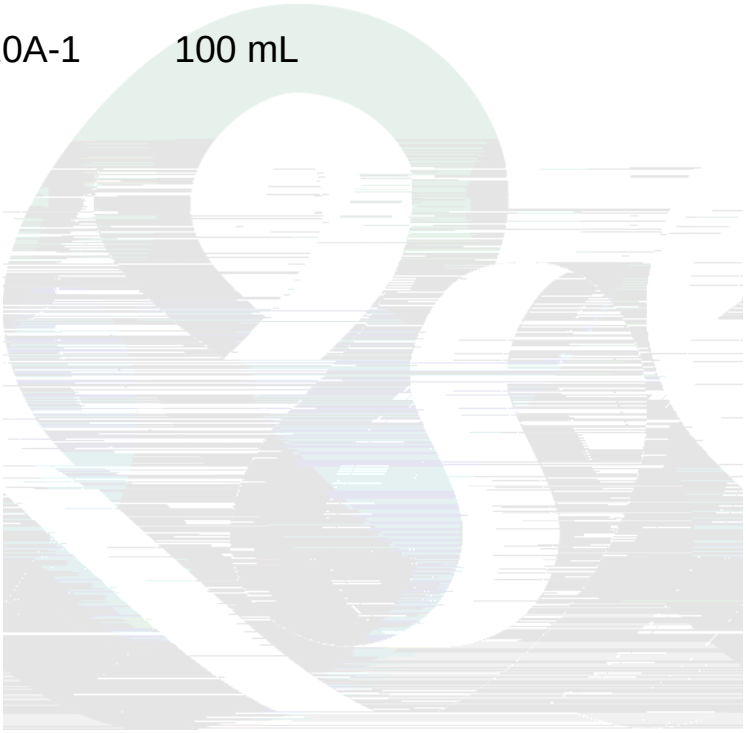
ExCell Bio

Lenti-Concentin Virus Precipitation Solution 5X

User Manual

Catalog Number EMB810A-1 100 mL



Introduction

Lenti-Concentin Virus Precipitation Solution provides a simple and highly effective means to concentrate LentiViral pariticles. Lenti-Concentin is a formulation of polyethylene glycol optimized for the precipitation of all LentiViral-based particles.

Shipping & Storage

Shipping Room temperature

Storage 4 C

Shelf Life 12 months from date of receipt with proper storage

Protocol

1. Collect supernatant and centrifuge at 3000 × *g* for 15 minutes to remove cells and cell debris. Supernatant may be filtered through a 0.45 m PVDF filter to further eliminate cellular debris. Please note that filtration may decrease the amount of virus in the supernatant, and should be reserved for clarifying supernatants that will be used to transduce target cells that are sensitive to cell debris.

2. Transfer supernatant to a sterile vessel and add 1 volume of Lenti-Concentin Virus Precipitation Solution to every 4 volumes of Lentivector-containing supernatant. The Lenti-Concentin Virus Precipitation Solution is a 5× solution.

3. Refrigerate overnight (at least 12 hours). Lentivector-containing supernatants mixed with Lenti-Concentin Virus Precipitation Solution are stable for up to 4-5 days at 4°C.

4. Centrifuge supernatant/ Lenti-Concentin Viral mixture at 1500 × *g* for 30 minutes. After centrifugation, the Lentivector particles may appear as a beige or white pellet at the bottom of the vessel.

5. Transfer supernatant to a fresh tube. Spin down residual Lentiviral solution by centrifugation at 1500 × *g* for 5 minutes. Remove all traces of fluid by aspiration, taking great care not to disturb the precipitated LentiViral particles in pellet.

6. Resuspend/combine LentiViral pellet in 1/10 to 1/100 of original volume using cold, sterile Phosphate Buffered Saline (PBS) or DMEM containing 25mM HEPES buffer at 4°C.

7. Aliquot in cryogenic vials and store at -70°C until ready for use.

Precipitation of Lentivector particles from large volumes can be achieved by using the 250 mL polypropylene centrifuge tube, following manufacturer s instructions.