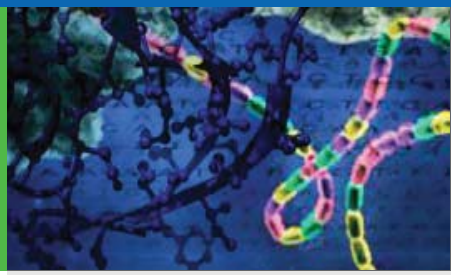
System Biosciences
Accelerating Discoveries in Functional Genomics

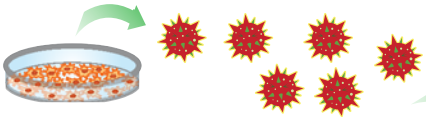
Molecular Tools

Retro-Concentin™

Easily concentrate Retroviruses without ultracentrifugation or expensive columns



Retro-Concentin™ precipitates retroviruses quantitatively without ultracentrifugation or complicated column procedures. Instead, retroviruses are directly pelleted from culture medium with simple one/two steps of low speed centrifugations. In addition, the concentration solution stabilizes the retroviruses for forozen storage, which may provide another advantage over other methods. Each preparation can handle up to 200 ml of retroviral supernatant (most centrifuges) and the resulting pellet can be dissolved in a desired volume to meet your experimental requirements. Cells transduced show normal morphology and no obvious cytotoxicity is observed.



Step 1.
Add 5x Retro-Concentin to Retrovirus Supernatant

Incubate at 4°C, 12 hr

Step 2.
Centrifuge at 1500xg for 30 min. at 4°C

Step 2B (Optional).
Transfer to an Eppendorf tube and Centrifuge at 12,000 rpm for 2 min.

Step 3.
Aliquot and store at -70°C

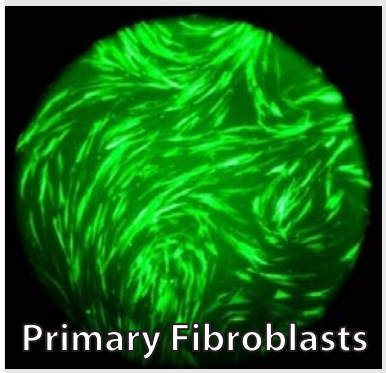
High titer retrovirus particles prepared with Retro-Concentin were successfully used for generating Induced Pluripotent Stem Cells (iPSCs).

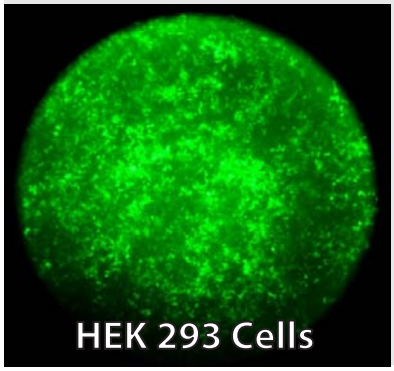
Use concentrated retrovirus to make iPSCs efficiently

Highlights

- Greater than 80% recovery
- Quick and easy protocol
- Flexible volume options
- Rapid 15 minute protocol
- No ultracentrigugation or columns required
- Stabilizes virus for storage
- High performance particles can reprogram cells into iPSCs

Deliver more Virus using Retro-Concentin™





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