

## **Lentivirus harvest and concentration**

### Materials:

- \* Beckman Ultracentrifuge tubes (1 X 3.5 " or 9/16 " X 3 ½" )
- \* Beckman Ultracentrifuge fitted with a SW-28 or SW-41 rotor
- \* Serum Free DMEM
- \* PBS
- \* 10ml syringe
- \* 0.45 µm syringe filter tips
- \* 10% bleach

### Methods:

1. Harvest virus with a 0.45µm filter tip with a 10ml syringe, into a Beckman ultracentrifuge tube
2. Bleach all virus producing cells, culture plates, syringes and filters with 10% bleach and allowed to stand for 45 minutes before discarding
3. Balance all virus containing tubes with serum free DMEM (to 0.1g)
4. Spin tubes at 25000rpm or 24000rpm for 90 mins in 4 degrees in a SW-28 or SW-41 rotor
5. Discard supernatant into 10% bleach containing vessel
6. Blot excess liquid with kimwipes. Turn tubes upside down in a rack and allow to drain for one minute
7. Resuspend viral pellet in 100ul of PBS. Let virus sit overnight in 4 degrees
8. Bleach all empty tubes with 10% bleach for 45 minutes before discarding