

CM Transduction

Protocol

1. Aspirate media and wash with PBS
2. Incubate with PBS+Tryple for 1min30sec at RT
3. Aspirate and wash with PBS
4. Add RPMI(+)+Polybrene
5. Add particles dropwise (aim to 20x final concentration)

Expectations

1. Takes a long time in CMs to get expression compared to HEK cells, around 4 days.
2. Non CMs have higher expression of the exogenous protein.

Material

- PBS+Tryple mix 1to1
- RPMI(+) with Polybrene (7.5uL polybrene/10mL of media); 1.2mL per 12well well (add cat num)
- Viral particles (ideally 30-45x concentrated)

Sanity check

- Test particles at 1x concentrated on Cal51 or HEK cells