

PEI virus precipitation

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The receipt of 5*PEG

- 212.5g PEG8000(or 6000)
- 200ml NaCl(5N)
- add H₂O to 500ml
- PEG is difficult to dissolve in RT. I generally put all thing together and send to autoclave(don't forget to put a stir bar in it).
- After autoclaving, stir the solvent (it will separated into two phases now) until it reach room temperature.
- Then you can put the 5*PEG in 4 degree .

Virus resuspension buffer

4% sucrose in PBS

Procedure:

1. For mammalian cell-virus or insect-baculovirus, centrifuge culture at 3,200 g (top speed)for 15 minutes at 4°C to remove cell debris.
2. Collect supernatant, pass the supernatant through 0.4µm filter.
3. Add 2.5 mL of PEG solution (5×) to 10 mL of virus supernatant.
4. Refrigerate overnight (stable up to 2 days at 4°C).
5. Centrifuge at 3,200 g for 30 minutes at 4°C .
6. Carefully remove and discard supernatant by aspiration. The beige or white pellet is the virus.
7. Resuspend the virus pellet in 100 µL of Virus Resuspension Solution.
8. Aliquot the virus and store at -80°C for future use