

Transfection using PEI-Max (Organelle Lab)

Obtain PEI Max Transfection Grade Linear Polyethylenimine Hydrochloride (MW 40,000), Polysciences.com

Reference

<https://doi.org/10.1002/sita.200500073>

Polyethylenimine, a cost - effective transfection reagent

Christina Ehrhardt, et al.

Prepare 1mg/ml solution, adjust pH to ~7*, filter for sterilization

Plate cells in 3.5cm dish or 6 well, 37oC, O/N

↓ replace culture medium (1ml)

↓ Add **

37oC, O/N~2ON

Check expression***

*pH adjustment seems to be important, when you notice more cell death, re-make the new one.

**For 1ml culture

Combined below and leave for 15min, then add to 1ml cell culture

Serum free culture medium	50µl
PEI max	5µl or less****
Plasmid DNA	2µg or less

***Works well for virus production as well

****Too much PEI max kills cells, use max amount not kill cells.