

Cell Transfection (Novachoice)
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1. Prepare a master mix consisting of serum free media (SFM), Novachoice transfection reagent, and the Novachoice booster reagent
 - a. In a 1.5ml tube, add the appropriate amount of pre-warmed SFM
 - i. 100 μ l of SFM per transfection
 - b. Add the appropriate amount of the Novachoice transfection reagent
 - i. 1 μ l of Novachoice transfection reagent per transfection
 - c. Add the appropriate amount of the Novachoice booster reagent
 - i. 0.5 μ l per transfection
2. In a new 1.5ml tube, add the appropriate amount of DNA
 - a. 1 μ g of DNA per transfection
3. Add the master mix into the 1.5ml tube containing the DNA
4. Incubate for 30 minutes
5. In the 35mm dishes where the cells are growing, remove 1.1ml of media leaving only 0.9mL of media in the dish with the cells.
6. Add the appropriate master mix + DNA prepared from step 3
7. Repeat steps 5 and 6 until all cells of interest have been transfected
8. Incubate the cells at 37°C with 5% CO₂ for at least 4 hours
9. After 4 hours remove the media from the cells and replace with 2ml of the appropriate fresh media
10. After 24 hours, begin to select with selection agents
 - a. If using blasticidin, use 10 μ g/ml (50 μ l blasticidin in 50ml of media)
 - b. If using zeocin, use 250 μ g/ml (125 μ l of zeocin to 50ml of media)
 - c. If using geneticin, use 1000 μ g/ml (1000 μ l of geneticin to 50ml of media)