

GenJet™ In Vitro DNA Transfection Reagent

DAY 1: Cell seeding

- Cell seeding = ~80% confluency at the day of transfection.

DAY 2: Transfection with GenJet™ reagent/DNA ratio at 3:1 (μL/μg)

- Perform transfection in the presence of serum/antibiotics.
- To make transfection mix, use serum-free medium (like serum free DMEM) to dilute GenJet™ Transfection Reagent and plasmid DNA.

Note: Never use OPTI-MEM!

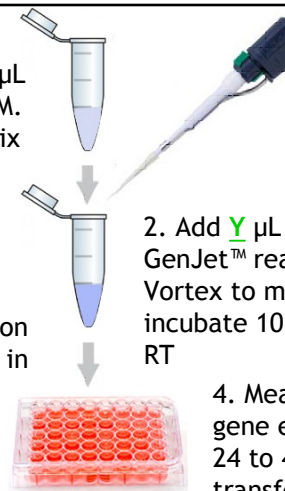
- Perform DNA transfection referring to the picture and table below.

1. Dilute X μg of plasmid DNA in W μL of Serum-free DMEM. Vortex briefly to mix

2. Add Y μL of GenJet™ reagent. Vortex to mix and incubate 10 min at RT

3. Add transfection mix to the cells in serum-containing medium

4. Measure gene expression 24 to 48 h post transfection



Culture Dish	Culture Medium (mL)	DNA (μg) - <u>X</u>	Diluent (Serum-free medium) (μL) - <u>W</u>	GenJet™ Reagent (μL) - <u>Y</u>
24-well	1.0	0.5	50	1.5
6-well/35mm	2.0	1	100	3
100mm/T75	10	5	500	15

DAY 3~4: Measure gene expression

Visit the following link for complete protocol <https://signagen.com>

