




Quick Transfection Procedure for 293T/17 cells

	6-well plate 35 mm dish	60 mm dish	100 mm dish	
Surface Area (cm ²)	10	20	60	
Plate cells with fresh medium* ^{1,2} .	2.0 x 10 ⁶	4.0 x 10 ⁶	1.2 x 10 ⁷	
Volume of cell suspension (μl)	1500	4000	7000	
 Incubate ~4 h until cells adhere tightly				
 DNA (μg)* ³ in OPTI-MEM	2.5	5.0	15.0	
500	1000	3000		
Add PLUS Reagent (μl), and then gently mix by tapping tube. Note: Proceed to the next step within 5 min.	2.5	5.0	15.0	
Add LTX Transfection Reagent (μl), and then gently mix by tapping tube.	4	8	24	
Incubate 30 min at RT				
Pipet up and down 2x Apply diluted complexes to cells				
 Incubate overnight				
Experiments	Confluency	N.D.	~70%	N.D.
	Transfection efficiency	N.D.	~80%	N.D.

Notes:

*¹Cold medium affect cell shape, therefore medium should warm to 37 degree centigrade prior to use.

*²Medium can contain serum but not antibiotics.

*³Minimum DNA concentration should be 0.1 μg/μl.

Materials Required:

Polystyrene tubes