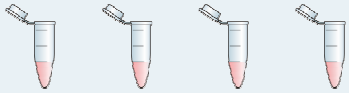
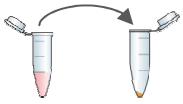
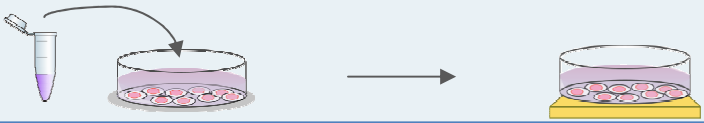
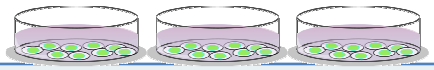
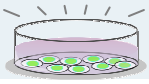
NeuroMag Short Protocol

To find the ideal conditions, NeuroMag™ must be tested at ratios **1 µL/µg** DNA, **2 µL/µg**, **3 µL/µg** and **3.5 µL/µg** DNA. For the DNA quantity, we suggest **0.5 µg** per well in 96-well, **1 µg** per well in 24-well and **2 µg** per well in 6-well.

1	**Seed cells to be at 70% confluent the day of transfection**		
			
2	**Prepare 4 identical tubes of DNA**		
			
	96 well plate	**24 well plate**	**6 well plate**
	0.5µg in 50µL of DMEM x 4	1µg in 100µL of DMEM x 4	2µg in 200µL of DMEM x 4
3	**Prepare 4 tubes of NeuroMag™ (with 4 different amounts of reagent)**		
			
	96 well plate	**24 well plate**	**6 well plate**
	0.5µL/1µL/1.5µL/1.75µL in an empty microtube	1µL/2µL/3µL/3.5µL in an empty microtube	2µL/4µL/6µL/7µL in an empty microtube
4	**Mix gently each tube of DNA (step 2) to each tube of NeuroMag™ (step 3)**		
			
5	**Incubate 20 min at room temperature**		
			
6	**Distribute each mix onto the cells & incubate cells 20 min on the magnetic plate**		
			
7	**Remove the cells from the magnetic plate & incubate cells for 24 to 72h at 37°C until evaluation of transgene expression**		
			
8	**Choose the best ratio DNA: NeuroMag™**		
			

NOTES: (1) 24H before transfection seed the cells in 6 wells of a 96-well plate, 3 wells of a 24-well plate or 3 wells of a 6-well plate in respectively 150 µL, 400 µL and 2 mL of complete culture medium. **(2)** Allow reagents to reach RT and gently vortex them before forming complexes . **(3)** DMEM without serum & supplement is recommended for complexes preparation. **(4)** For doses less than 1µL, dilute your reagent with deionized water.

The complete instruction manual is accessible on OZ Biosciences website:
www.ozbiosciences.com

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