EZ-Transfx™ Tansfection Reagent (Cat. E10037-1, E10037-5)

Quick Protocol

Plating cells

Plate cells one day before the transfection experiment so that the cells will be 60%-80% confluent **on the day of transfection.**

Praparing the EZ-Transfx™ Transfection Reagent

Warm the EZTransfx™ transfection reagent to room temperature. Mix well before use.

General transfection protocol

1. Use the following table to determine the appropriate starting amounts of plasmid DNA and EZ-Transfx™ reagent.

Tissue culture dish	Surface area per well (cm^2)	EZ-Transfx™ (µl)	plasmid DNA (µg)
24-well	2	0.5	0.5
12-well	4	1	1
6-well	10	2	2
10 cm	60	12	12

2. For each well of transfection, add 50 ul of serum-free or reduced serum Opti-MEM medium to a sterile tube. Add appropriate amount of EZ-Transfx™ and mix by inverting.

3. Dilute plasmid DNA in 50 ul of serum-free or reduced serum Opti-MEM medium, mix by inverting.

4. Mix the diluted EZ-Transfx™ (step 2) and the diluted plasmid DNA (step3) and incubate at room temperature for 15-20 minutes.

5. Add the EZ-Transfx™ /DNA mixture to the cells in growth medium. Mix well gently. Return cells to the incubator for 24-48 hours

** EZ-Transfx™ tansfection reagent has low toxicity in the cell line tested. Therefore, removal of transfection reagent is usually not required. If necessary, remove the transfection mixture and replace with fresh growth medium.

6. Assay cells for target gene expression. Optimal incubation time is dependent on cell type and stability of the target protein.

Ordering/Technical information
www.cellomicstech.com
Email: info@cellomicstech.com
Tel: 443-543-5305 or 855-633-0225
Fax: 443-927-7874

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