

## Liposomal Transfection Reagent

Catalogue No.: abx298031

Liposomal Transfection Reagent is a liposomal formulation designed for use with difficult-to-transfect cell lines, such as neural and tumor cell lines, with high efficiency and low toxicity. This reagent can be used in the presence of antibiotics. Medium that allows reduced serum supplementation is required.

Recommended volumes of culture medium, nucleic acid and Liposomal Transfection Reagent for transfection in different cell culture plates:

Culture Vessel	Surface Area per well (cm <sup>2</sup> )	Plating Medium Volume (ml)	Dilution Volume (μl)	DNA (μg)	Liposomal Transfection Reagent (μl)
96-well plate	0.3	0.1	20	0.1	0.2 - 0.5
48-well plate	1	0.25	55	0.2	0.4 - 1
24-well plate	2	0.5	100	0.4	0.8 - 2
12-well plate	4	1	200	0.8	1.6 - 4
6-well plate	10	2	400	2	4 - 10
35 mm	10	2	400	2	4 - 10
60 mm	20	5	1000	4	8 - 20
10 cm	60	10	2000	12	24 - 60
T 25	25	6	1200	5	10 - 25
T 75	75	13	2000	15	30 - 75

**Target:** Liposomal Transfection Reagent

**Form:** Liquid

**Storage:** Store between 2-8 °C. Stable for 12 months from date of receipt.

**Sample Type:** Tested cell types: A549, B16-F10, BHK-21, BTC, CHO, DLD-1, HCT-116, HEK-293, HEK-293T, HeLa, HepG2, HT-29, Huh7, HUVEC, L929, MARC-145, MCF-7, MEF, MIA PaCa-2, Neuro-2a, NIH/3T3, PANC-1, SGC-7901, SH-SY5Y, SMMC-7721, SW480, Vero.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

**Directions for use:** Plasmid DNA Transfection: (for a 24-well plate)

1. Seed cells: plate  $2-6 \times 10^4$  cells in each well so that there is 70-80% confluence at time of transfection.
2. Incubate for 12-24 hours.
3. Replace growth medium with serum-free medium that allows reduced serum supplementation before transfection.
4. Dilute 0.4  $\mu\text{g}$  of plasmid with 100  $\mu\text{l}$  of medium that allows reduced serum supplementation.
5. Add 1.5  $\mu\text{l}$  of premixed Liposomal Transfection Reagent and mix gently.
6. Allow to stand for 10-20 minutes at room temperature.
7. Add the solution to each well containing cells and medium. Incubate cells at 37 °C in a CO<sub>2</sub> incubator.
8. Change medium 4-6 hours post-transfection. Incubate cells for 18-72 hours.

For Reference Only