

TransIntro™ PL Transfection Reagent

Cat. No. FT301

Storage: at 2-8°C for one year

Description

TransIntro™ PL Transfection Reagent is a liposomal formulation designed to transfect difficult-to-transfect cell lines with high efficiency and low cytotoxicity, such as neural and tumor cell lines, including lung carcinoma, colon carcinoma, hepatic carcinoma, pancreatic carcinoma, *et.al.*

- Exceptional for difficult-to-transfect cell lines
- Low cytotoxicity
- Antibiotic tolerance

Application

Transfection and co-transfection of DNA

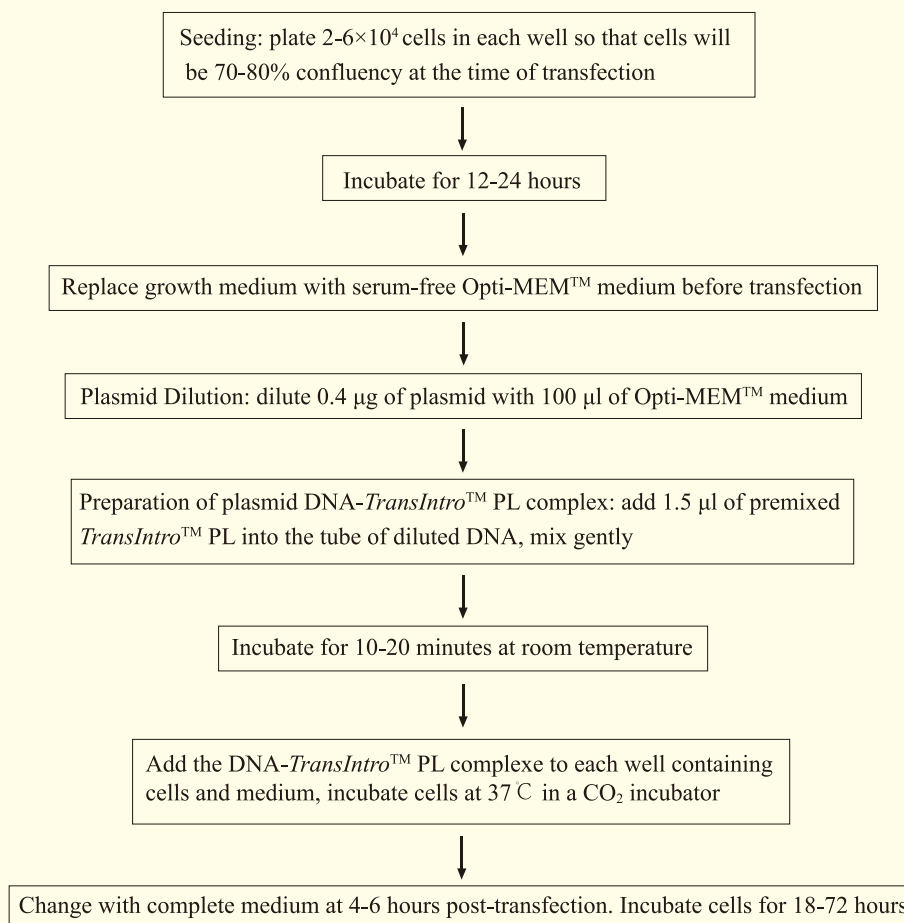
Procedures

Materials required but not included:

Product Name	Catalog
Opti-MEM™ I Reduced Serum Medium	Thermo Fisher, Cat.31985062

Plasmid DNA Transfection

24-well format as an example



Optimization of plasmid DNA transfection

In order to achieve optimal combination of high transfection efficiency and low cytotoxicity, it is recommended to optimize the ratio of DNA to *TransIntro*TM PL as well as the initial cell density for transfection as the table below.

Amount of culture medium, nucleic acid and *TransIntro*TM PL in transfection of different cell culture plates

Culture Vessel	Surface Area per Well	Volume of Plating Medium	Dilution Volume	DNA	<i>TransIntro</i> TM PL
96-well	0.3 cm ²	100 µl	20 µl	0.1 µg	0.2-0.5 µl
48-well	1 cm ²	250 µl	55 µl	0.2 µg	0.4-1 µl
24-well	2 cm ²	500 µl	100 µl	0.4 µg	0.8-2 µl
12-well	4 cm ²	1 ml	200 µl	0.8 µg	1.6-4 µl
6-well	10 cm ²	2 ml	400 µl	2 µg	4-10 µl
35 mm	10 cm ²	2 ml	400 µl	2 µg	4-10 µl
60 mm	20 cm ²	5 ml	1 ml	4 µg	8-20 µl
10 cm	60 cm ²	10 ml	2 ml	12 µg	24-60 µl
T25	25 cm ²	6 ml	1.2 ml	5 µg	10-25 µl
T75	75 cm ²	13 ml	2 ml	15 µg	30-75 µl

Successfully transfected cell types with *TransIntro*TM PL Transfection Reagent

Tumor cell lines			Neural cell lines	Other cell lines	
A549	HT-29	PANC-1	Neuro-2a	BHK21	L929
B16-F10	HCT 116	SGC-7901	SH-SY5Y	BTC	Marc 145
DLD-1	Huh7	SMMC-7721	Primary cells	CHO	NIH3T3
HeLa	MCF7	SW480	HUVEC	HEK-293	Vero
Hep G2	MIA PaCa-2		MEF	HEK-293T	

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