



EzWay™ Transfection Reagent

Catalog Number K21000

Size 0.5ml

SPECIFICATION

EzWay™ Transfection Reagent, consisting of a unique cationic lipid has appropriate DNA-binding affinity for reliable gene transfection that is applicable to both preclinical and nonclinical studies.

Preparing the liposome -DNA complex (lipoplex) is very easy and rapid.

Also, EzWay™ Transfection Reagent shows relatively stronger DNA-binding affinity and better transfection efficiency than other liposomal reagents. Sufficient reagent for 250 transfection in a 24-well plate is provided.

- There is no need to prepare extra solutions separately.
- It minimizes the effort & time to prepare the transfection reagent.
- The transfection efficiency is very high even in serum containing medium.
- It has no cellular toxicity.
- It can be used for both in vivo and in vitro.
- Universal reagents for various applications
 - Plasmid Transfection
 - RNAi or siRNA Transfection
 - Stem Cell Transfection

Plasmid DNA Transfection Efficiency

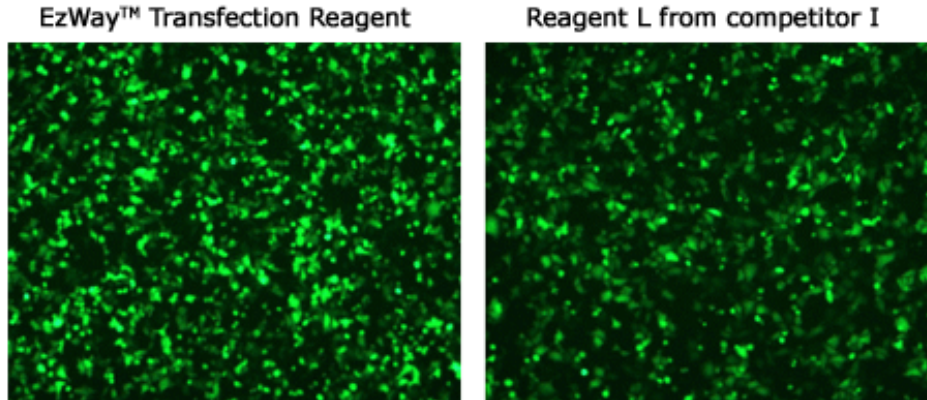


Figure 1. HeLa cells were transfected using KOMA EzWay™ Transfection Reagent or Reagent L from competitor I. GFP expression was identified by fluorescence microscopy in time dependent manner. Blue cells indicate successful transfection.

siRNA Transfection Efficiency

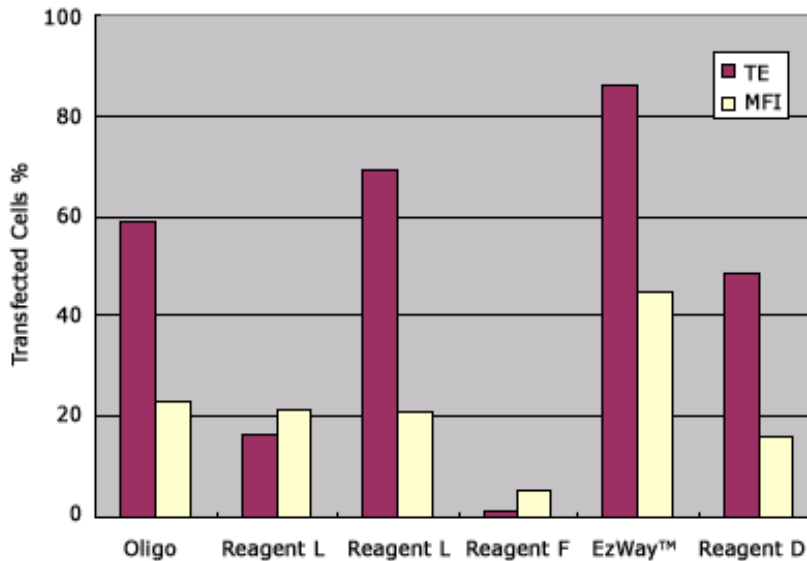


Figure 2. HeLa cells were transfected using KOMA EzWay™ Transfection Reagent or five commercially available lipid transfection reagents from competitors.

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Transfection Activities

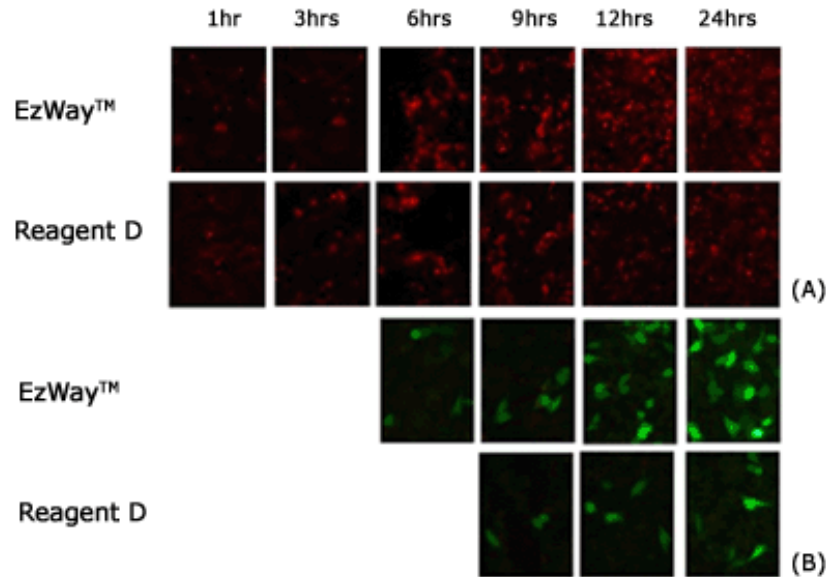


Figure 3. Cell binding activity and GFP expression by EzWay™ and Reagent D from competitor R. 1 ug of pDNA complexed to cationic liposomes (1:12 wt ratio of DNA and lipids) was added to HepG2 cells. The cells were transfected for 4 hrs and incubated for additional 24 hrs. During transfection and additional incubation time, Rho-liposome binding (A) and GFP expression (B) was identified by fluorescence microscopy in time dependent manner.

In vivo distribution

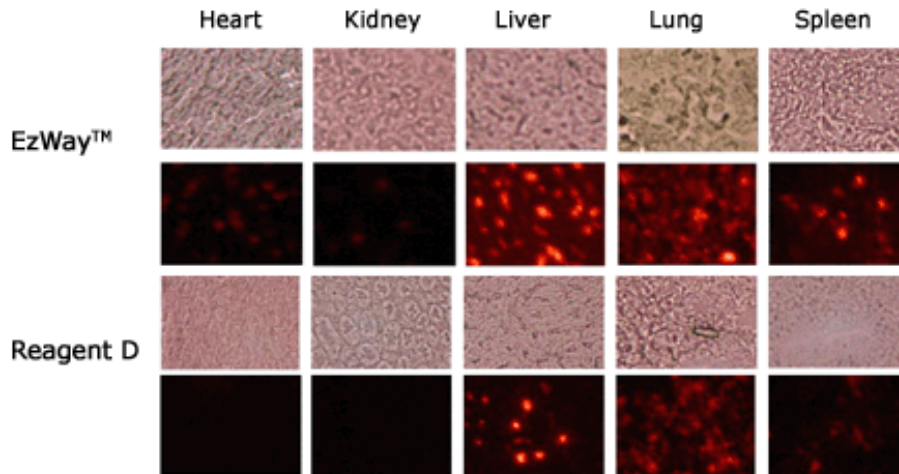


Figure 4. In vivo biodistribution of the EzWay™ and Reagent D from competitor R. Rhodamine-conjugated liposomes (480 ug) were intravenously injected to each mouse. 24 hrs following the injection, major organs were collected and immediately frozen. The frozen organs were cryo-sectioned in 6 mm thickness. Localization of rhodamine-liposomes in the organs was examined under a fluorescence microscopy

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