

Easy Cell Transfection Kit

PRODUCT DESCRIPTION



Easy Cell Transfection Kit is a high-efficiency liposome transfection reagent, which has the characteristics of high efficiency, low toxicity, convenient operation and stability. It is widely used for mRNA and DNA transfection of various cell lines.

SKU	Specifications
10114-0.1	0.1mL
10114-0.5	0.5mL
10114-1	1mL
10114-5	5mL

PRODUCT ADVANTAGES

- High transfection efficiency** - ultra-high transfection efficiency can be achieved for common cell lines
- Low toxicity** - low cytotoxicity, maintaining excellent cell viability and morphology
- Good repeatability** - high experimental repeatability and strong operability
- High performance** - high transfection rate and practical
- Affordability** - economical pricing

TRANSFECTION PROTOCOL

Taking mRNA as an example, the transfection protocol is shown in the figure below.

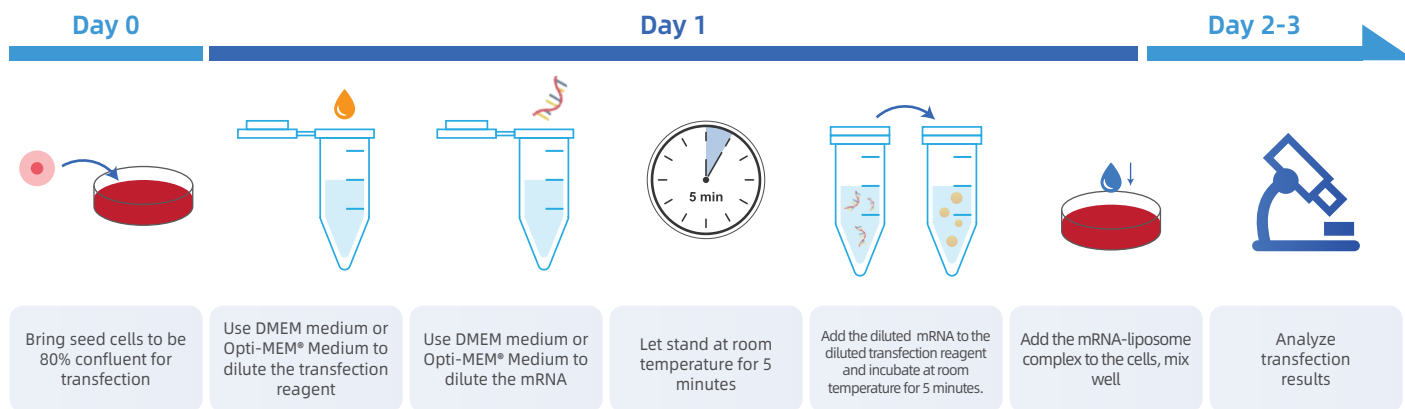


Figure 1 Easy Cell Transfection Kit transfection operation flow

TRANSFECTION EXAMPLES

1. Use Easy Cell Transfection Kit transfection reagent to transfect eGFP mRNA into HeLa, 293T and other cell lines respectively. For the transfection effect, refer to Table 1 and Figure 2 to Figure 5.

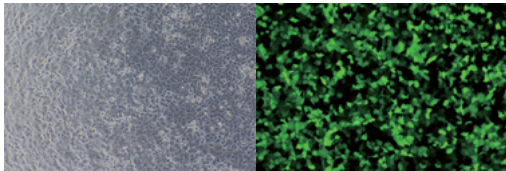


Figure 2 Transfection of eGFP mRNA into HeLa cells using Easy Cell Transfection kit.

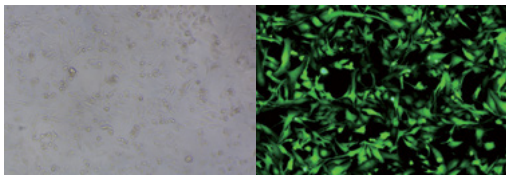


Figure 4 Transfection of eGFP mRNA into U251 cells using Easy Cell Transfection kit.

Table 1 Evaluation of some transfection effects of Easy Cell Transfection Kit

Cell lines	Transfection effect
HeLa	++++
293T	+++++
U251	++++
Jurkat	++++

Note: "+" indicates the transfection effect. The more "+" s, the better the transfection effect.

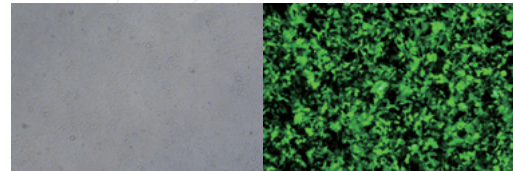


Figure 3 Transfection of eGFP mRNA into 293T cells using Easy Cell Transfection kit.

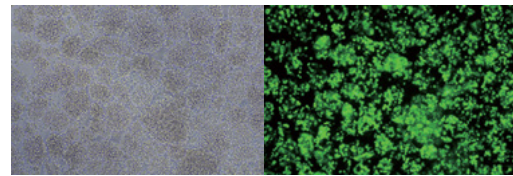


Figure 5 Transfection of eGFP mRNA into Jurkat cells using Easy Cell Transfection kit.

2. Use Easy Cell Transfection Kit transfection reagent to transfect 293T cells with two different sizes of target mRNA (mRNA1: ~1000 bp, mRNA2: ~3000 bp). After 24 hours of transfection, take the cells for western blot detection of the target protein. The results are shown in Figure 6.

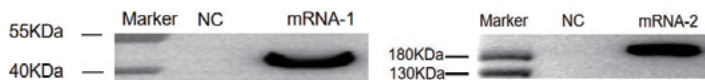


Figure 6 Western blot detection results after transfection of target mRNA using Easy Cell Transfection Kit.

3. Use the Easy Cell Transfection Kit transfection reagent to transfect the pCMV-N-EGFP (green fluorescent protein) plasmid into the 293T cell line. Refer to Figure 7 for the transfection effect.

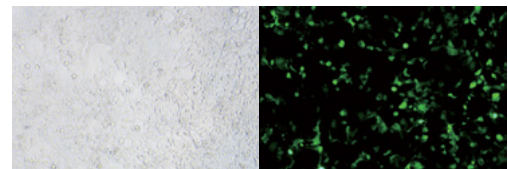


Figure 7 pCMV-N-EGFP plasmid transfected into 293T cells using Easy Cell Transfection Kit.

The above data shows that using the Easy Cell Transfection Kit transfection reagent to transfect mRNA/plasmid into a variety of adherent/suspended cells can achieve effective transfection with high transfection efficiency and low cytotoxicity.