
Product Data Sheet

Product Name: LipoRNAiMAX Transfection Reagent
Cat. No.: GK20007

Components

Components	0.25 mL	0.5 mL
LipoRNAiMAX Transfection Reagent	0.25 mL	0.5 mL

Store at 4°C. Do not freeze.

Protocol

Preparation Before Experiment

- siRNA or miRNA (10 μ M stock)
- Opti-MEM Reduced Serum Medium
- Microcentrifuge tube

Experimental Steps

A. LipoRNAiMAX Transfection Reagent requirements

Component	96-well	24-well	6-well
Final siRNA per well	1 pmol	5 pmol	25 pmol
Final LipoRNAiMAX Reagent per well	0.3 μ L	1.5 μ L	7.5 μ L

B. Transfection of siRNA

Reverse transfection is faster to perform than forward transfection and is the method of choice for high-throughput transfection. Perform reverse transfection by preparing complexes inside the wells, and then adding cells and medium. Because the cells and siRNA-lipid complexes are prepared on the same day, we recommended using 2.5 \times

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more cells than for a regular transfection method.

C. LipoRNAiMAX Transfection Reagent Protocol

Transfect cells according to the following table. The transfection is designed for one RNA amount combined with one amount of LipoRNAiMAX. The prepared mix is enough to have triplicates (96-well), duplicates (24-well), and single well (6-well) transfections, and account for pipetting variations. For additional information on scaling your transfection reaction.



Background

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LipoRNAiMAX Transfection Reagent can obtain the highest transfection efficiency in a variety of cell types, and is suitable for siRNA-mediated gene suppression experiments. LipoRNAiMAX is a unique RNAi-specific cationic liposome transfection reagent, suitable for delivering siRNA and miRNA to all cell types.

- Ultra-high transfection efficiency, and low RNAi concentration required, better gene suppression effect, few non-specific effects.
- Low cytotoxicity, easy to optimize, showing low cytotoxicity across the 10-fold transfection reagent concentration range.
- Excellent transfection efficiency for miRNA antagonists and mimics.
- It can be used in a variety of cell types and is the most versatile method suitable for various gene suppression experiments.
- Simple and fast experimental protocol to obtain stable and reproducible results.

LipoRNAiMAX Transfection Reagent 100 μg/ml siRNA 100 μg/ml

LipoRNAiMAX 100 μg/ml RNAi 100 μg/ml siRNA 100 μg/ml miRNA 100 μg/ml

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