

# M5 Super LipoRNAiMAX Transfection Reagent 使用说明书

产品名称	单位	货号
M5 Super LipoRNAiMAX Transfection Reagent	0.25 ml	MF139-01
M5 Super LipoRNAiMAX Transfection Reagent	0.50 ml	MF139-02

## 【储存条件】

长期保存，请置于 4°C (切勿结冰冻住)。

## 【产品简介】

LipoRNAiMAX 转染试剂可在多种细胞类型中获得最高的转染效率，适用于 siRNA 介导的基因抑制实验。LipoRNAiMAX 是一种独有的 RNAi 特异性阳离子脂质体转染试剂，适合将 siRNA 和 miRNA 输送至所有细胞类型中。

## 【产品特点】

- 1) 超高的转染效率，且所需 RNAi 浓度低，基因抑制效果更好，非特异性效应极少
- 2) 细胞毒性低、易于优化，跨 10 倍转染试剂浓度范围均显示了低细胞毒性
- 3) 针对 miRNA 拮抗剂和模拟物具有出色的转染效率
- 4) 可用于多种细胞类型，是适合各种基因抑制实验的最通用方法
- 5) 简单快速的实验方案，可获得稳定且可重复的结果

## 【实验前准备】

- siRNA or miRNA (10  $\mu$ M stock)
- Opti-MEM Reduced Serum Medium
- 微量离心管

## 【操作步骤】

**A、 Super LipoRNAiMAX Transfection Reagent 需要量（具体方法见后面）**

Component	96-well	24-well	6-well
Final siRNA per well	1 pmol	5 pmol	25 pmol
Final LipoRNAiMAX Reagent per well	0.3 $\mu$ L	1.5 $\mu$ L	7.5 $\mu$ 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 $\times$  more cells than for a regular transfection method.

**C、 Super LipoRNAiMAX Transfection Reagent Protocol（具体方法）**

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.

Timeline		Steps	Procedure Details			
Day 0	1	Seed cells to be 60-80% confluent at transfection	Component	96-well	24-well	6-well
	2	Dilute LipoRNAiMAX Reagent in Opti-MEM <sup>®</sup> Medium	Adherent cells	1-4 $\times 10^4$	0.5-2 $\times 10^5$	0.25-1 $\times 10^6$
	3	Dilute siRNA in Opti-MEM <sup>®</sup> Medium	Opti-MEM <sup>®</sup> Medium	25 $\mu$ L	50 $\mu$ L	150 $\mu$ L
Day 1	4	Add diluted siRNA to diluted LipoRNAiMAX Reagent (1:1 ratio)	Lipo RNAiMAX Reagent	1.5 $\mu$ L	3 $\mu$ L	9 $\mu$ L
	5	Incubate	Opti-MEM <sup>®</sup> Medium	25 $\mu$ L	50 $\mu$ L	150 $\mu$ L
	6	Add siRNA-lipid complex to cells	siRNA (10 $\mu$ M)	0.5 $\mu$ L (5 pmol)	1 $\mu$ L (10 pmol)	3 $\mu$ L (30 pmol)
	7	Visualize/analyze transfected cells	Diluted siRNA	25 $\mu$ L	50 $\mu$ L	150 $\mu$ L
Day 2-4			Diluted LipoRNAiMAX Reagent	25 $\mu$ L	50 $\mu$ L	150 $\mu$ L
			Incubate for 5 minutes at room temperature.			
			Component	96-well	24-well	6-well
			siRNA-lipid complex per well	10 $\mu$ L	50 $\mu$ L	250 $\mu$ L
		Final siRNA used per well	1 pmol	5 pmol	25 pmol	
		Final LipoRNAiMAX used per well	0.3 $\mu$ L	1.5 $\mu$ L	7.5 $\mu$ L	
			Incubate cells for 1-3 days at 37°C. Then, analyze transfected cells.			

**【备注】**

本产品仅供科研使用。在确认产品质量出现问题时，本公司承诺为客户免费更换等量的质量合格产品。