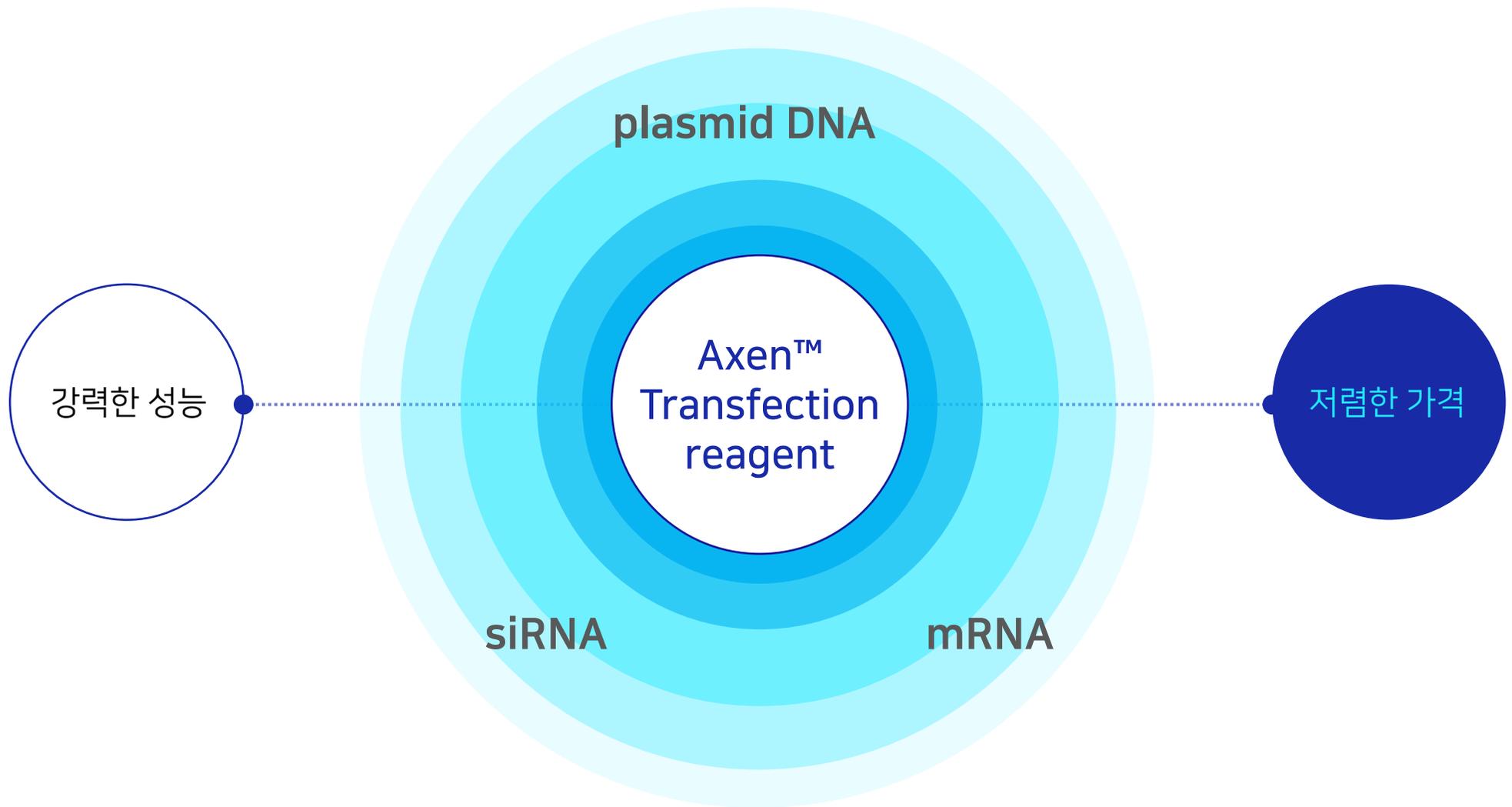


# Axen™ Transfection reagent

Reagent & LABware by macrogen

# 신규 출시 - Transfection reagent

마크로젠 시약은 합리적 가격으로 연구자의 만족스러운 결과를 제공합니다.



# Axen™ Transfection reagent manual

## Axen™ pDNA / siRNA / mRNA Transfection reagent

Storage 1 year at 4°C | For research use only

### [Features]

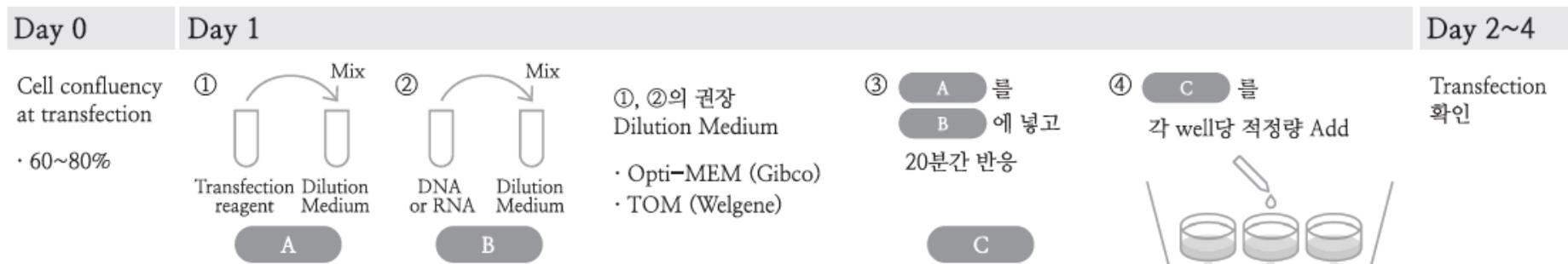
- 여러 종류의 세포에서 transfection 효율이 높음
- 세포에 대한 독성이 낮음
- Serum을 포함하는 medium에서 바로 진행 가능

### [보관 및 사용]

- 냉장보관
- 무균환경에서 개봉 및 사용

### [제품 정보]

Cat.no	Product	Volume
MG-E-019-0.2	Axen™ pDNA Transfection reagent	
MG-E-020-0.2	Axen™ siRNA Transfection reagent	0.2 mL
MG-E-021-0.2	Axen™ mRNA Transfection reagent	



### 단계별 사용 권장량

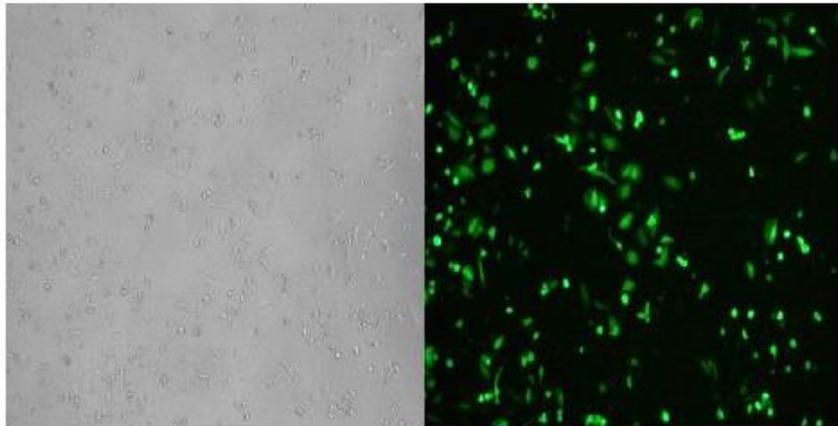
Steps	Components	96well	48well	24well	12well	6well
[Day 0] Culture ware	Surface Area(㎠)	0.32	1.00	1.88	3.83	9.40
	Number of Cells	5,000~20,000	20,000~40,000	40,000~75,000	75,000~140,000	140,000~250,000
	Culture Medium(μL)	150	300	500	1,000	2,000
Step ①	pDNA / mRNA Transfection reagent (μL)	DNA양 또는 RNA의 2~3배 (2~3 μL/ μg DNA 또는 RNA)				
	siRNA Transfection reagent (μL)	0.39~0.58	0.77~1.16	1.25~1.88	2.5~3.75	5.0~7.5
	Dilution medium (add to μL)	10	20	25	50	100
Step ②	pDNA / mRNA(μg)	0.1	0.2~0.3	0.5~0.6	1.0	1.8
	10 μM siRNA (μL)	0.17~0.85	0.34~1.7	0.55~2.75	1.1~5.5	2.2~11
	Dilution medium (add to μL)	10	20	25	50	100
Step ③	Complex (μL)	20	40	50	100	200
Step ④	Total Volume (μL)	170	340	550	1,100	2,200

# Axen™ pDNA Transfection reagent

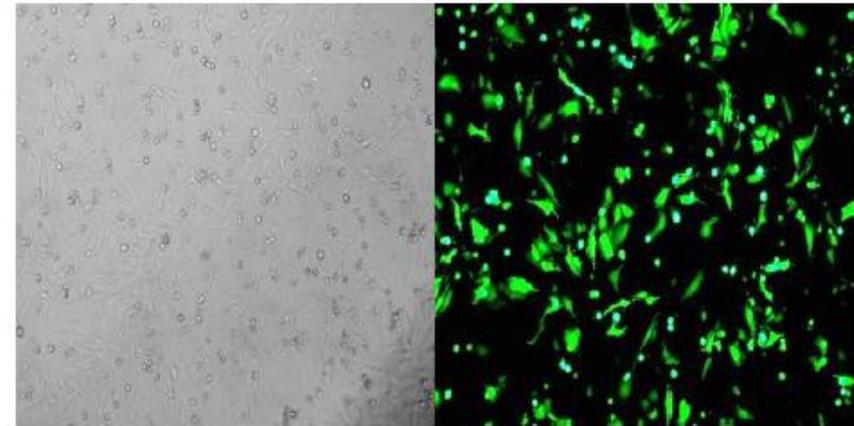
## 성능 및 비교 : HeLa

- Target : pDNA(main), siRNA, mRNA 를 포함한 다목적 제품
- 비교 방식 : GFP 형광 plasmid DNA 를 transfection 후 형광 발현량 및 유지력 측정

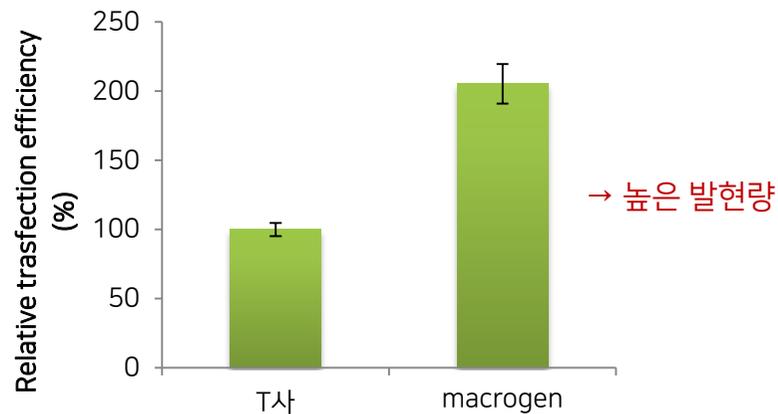
T사 L2000



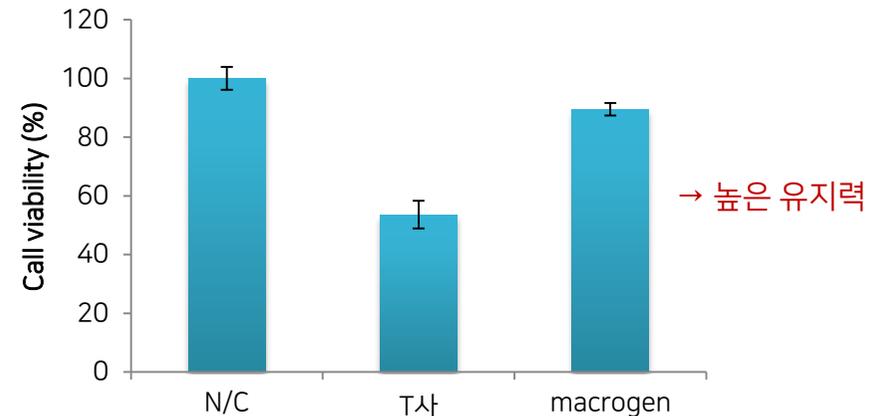
Axen™ pDNA Transfection reagent



GFP intensity



GFP viability

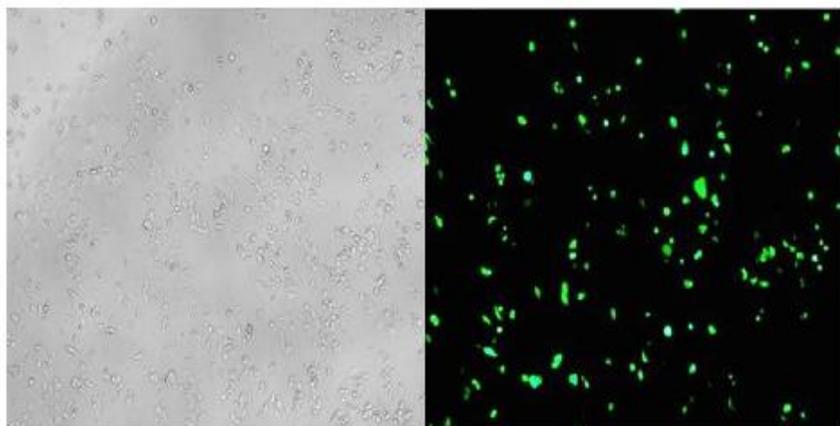


# Axen™ pDNA Transfection reagent

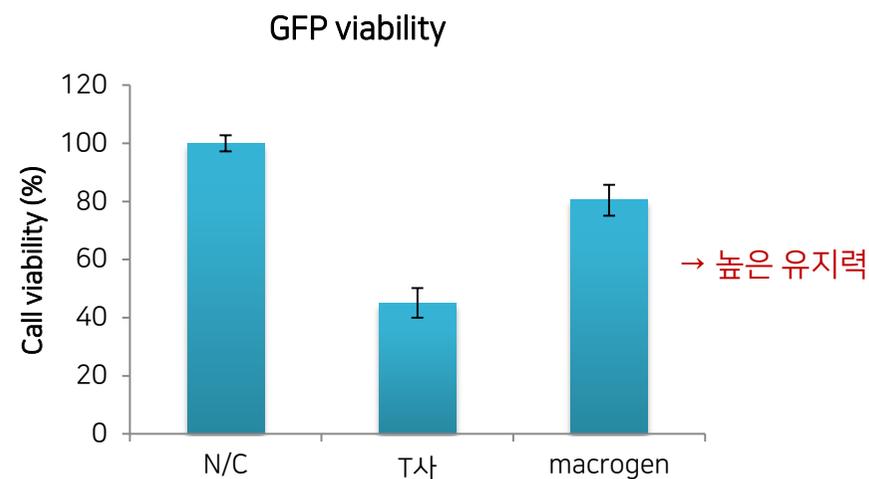
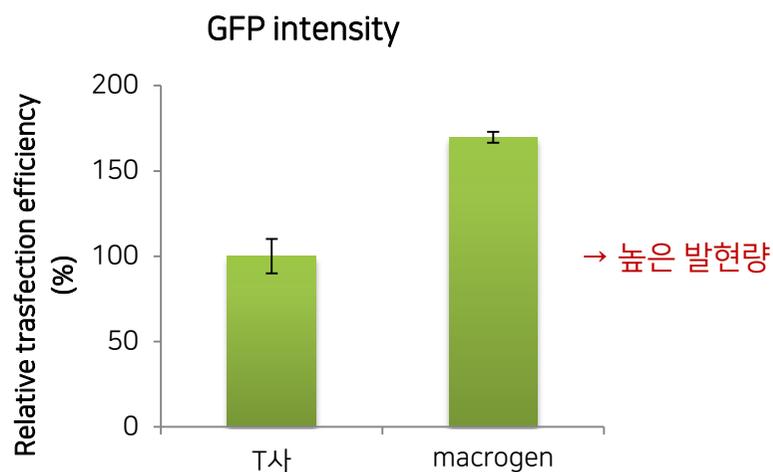
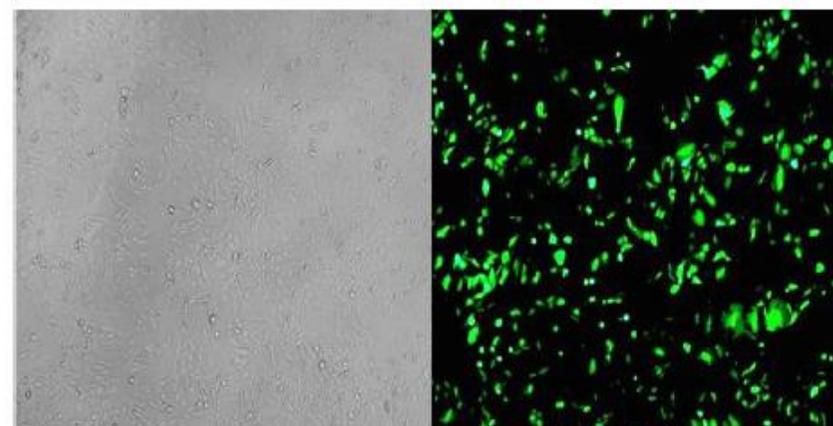
## 성능 및 비교 : CHO

- Target : pDNA(main), siRNA, mRNA 를 포함한 다목적 제품
- 비교 방식 : GFP 형광 plasmid DNA 를 transfection 후 형광 발현량 및 유지력 측정

T사 L2000



Axen™ pDNA Transfection reagent

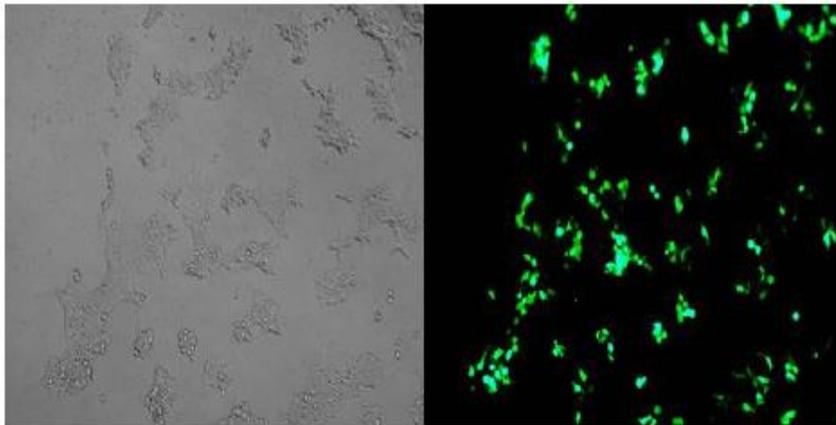


# Axen™ pDNA Transfection reagent

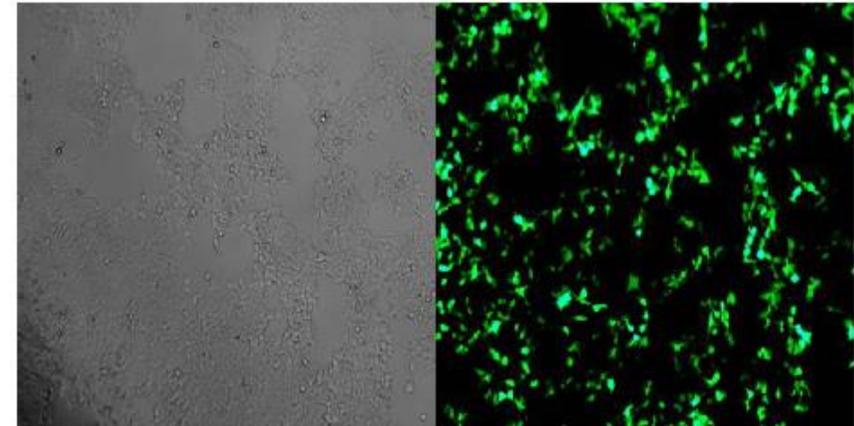
## 성능 및 비교 : HEK 293T

- Target : pDNA(main), siRNA, mRNA 를 포함한 다목적 제품
- 비교 방식 : GFP 형광 plasmid DNA 를 transfection 후 형광 발현량 및 유지력 측정

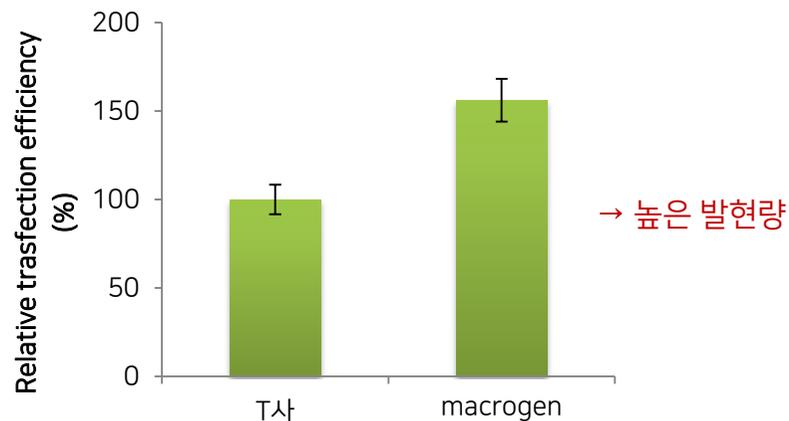
T사 L2000



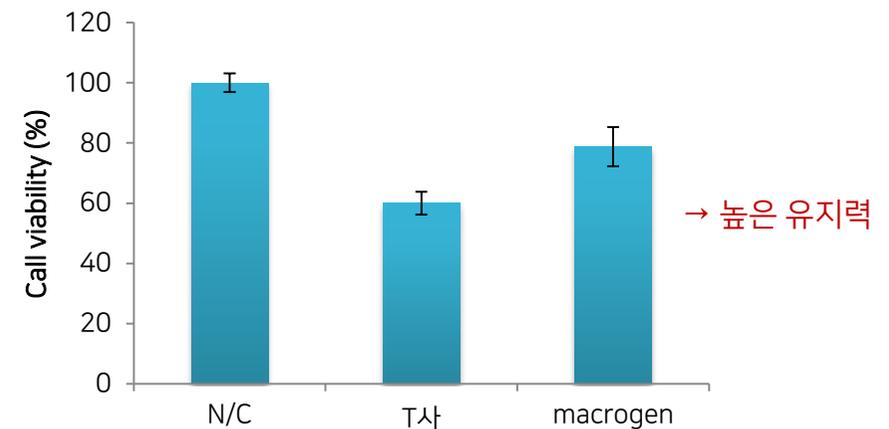
Axen™ pDNA Transfection reagent



GFP intensity



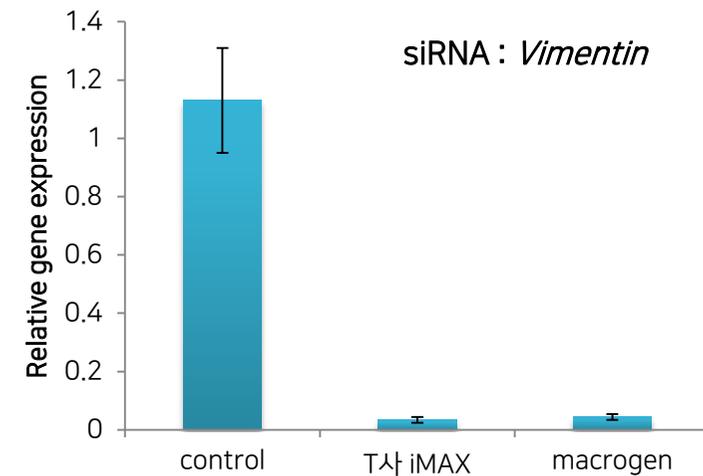
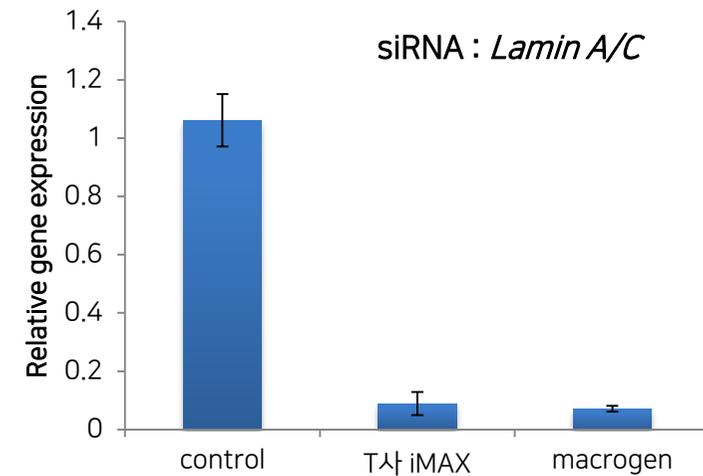
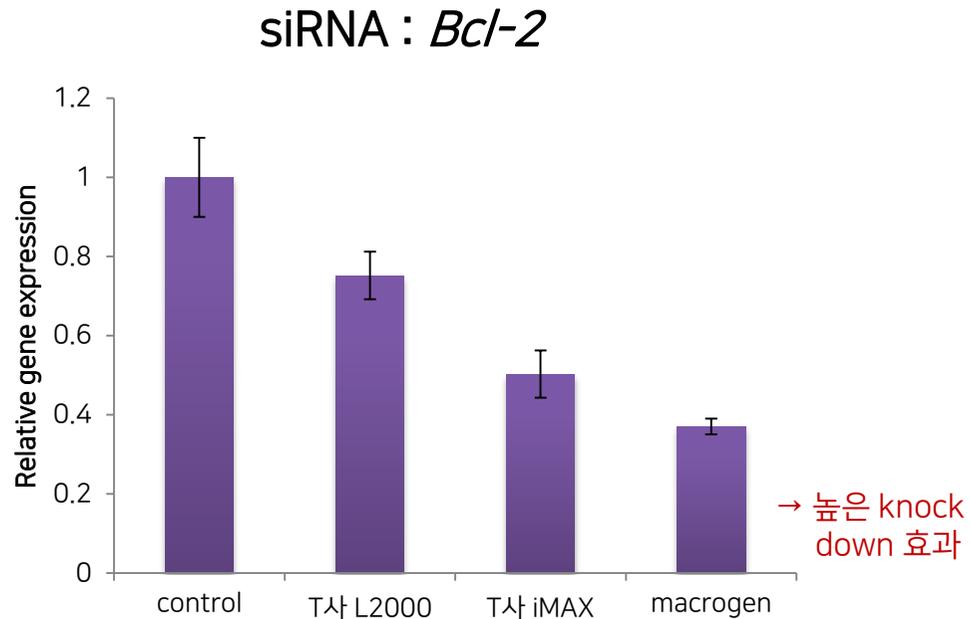
GFP viability



# Axen™ siRNA Transfection reagent

## 성능 및 비교 : HeLa

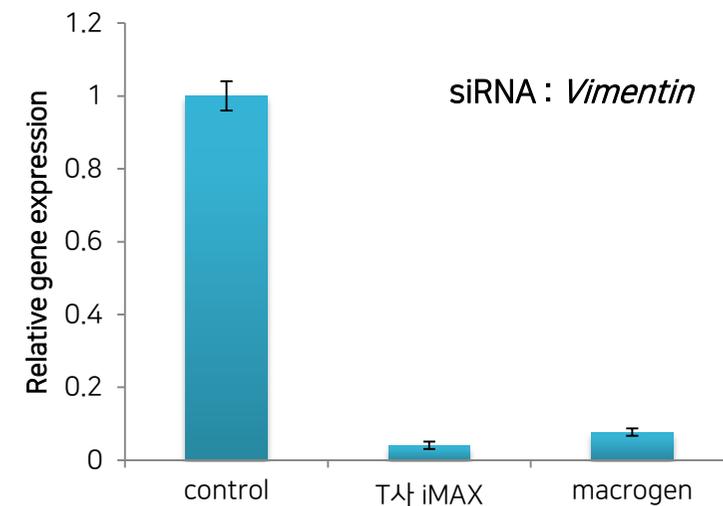
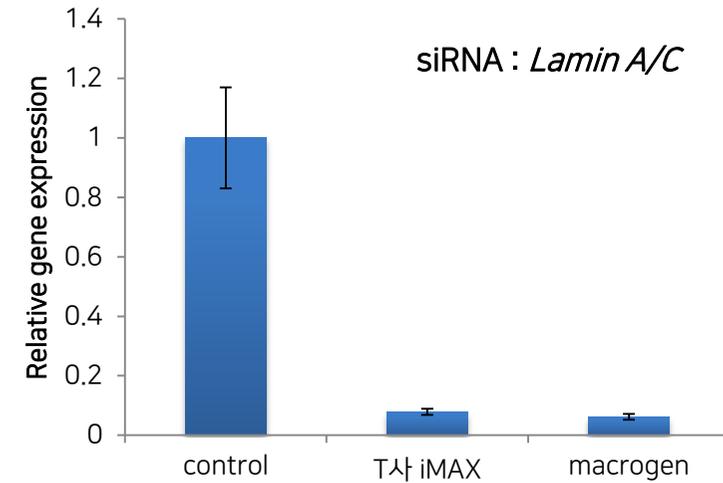
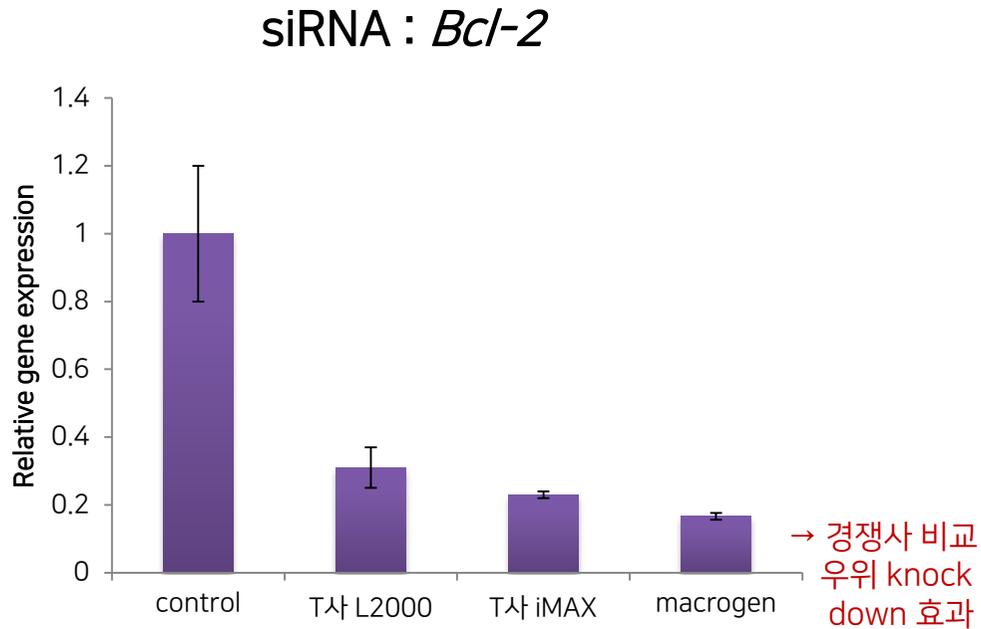
- Target : siRNA 의 transfection 전용 제품
- 비교 방식 : siRNA를 세포에 transfection 후 상대 발현량 비교



# Axen™ siRNA Transfection reagent

## 성능 및 비교 : A549

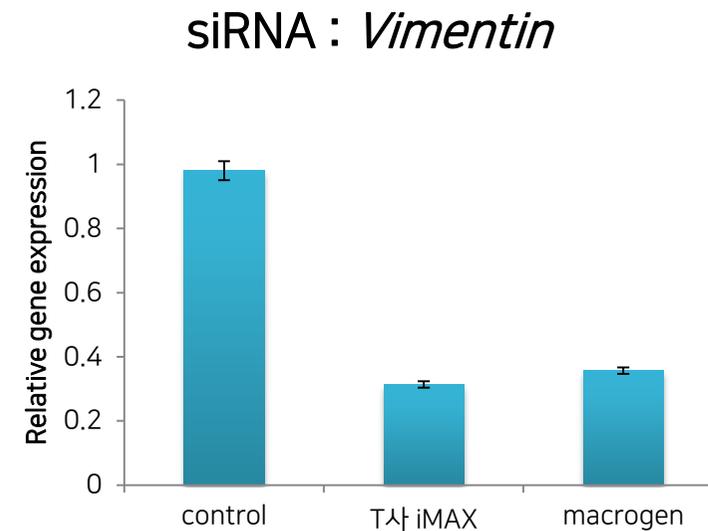
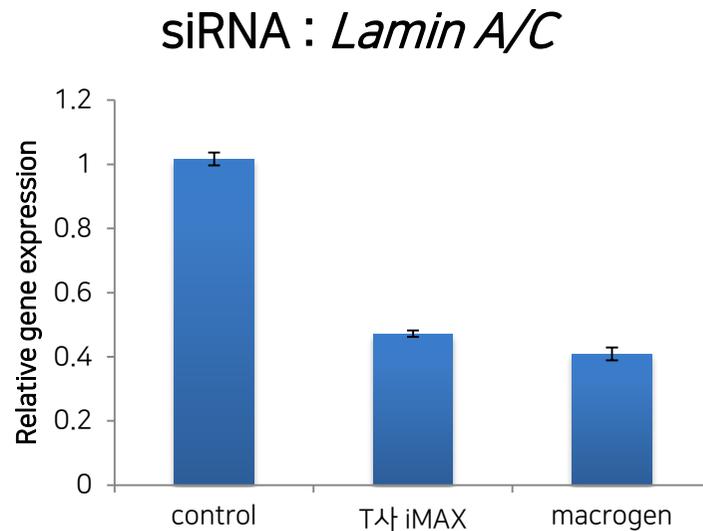
- Target : siRNA 의 transfection 전용 제품
- 비교 방식 : siRNA를 세포에 transfection 후 상대 발현량 비교



# Axen™ siRNA Transfection reagent

## 성능 및 비교 : HEK 293T

- Target : siRNA 의 transfection 전용 제품
- 비교 방식 : siRNA를 세포에 transfection 후 상대 발현량 비교



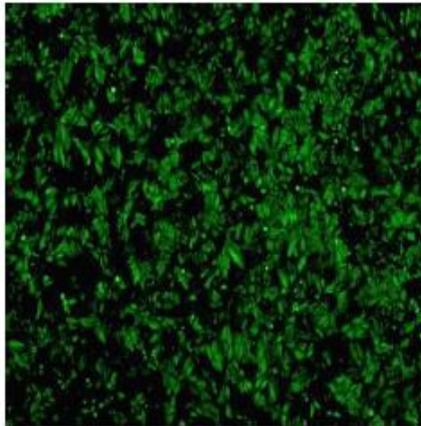
→ 경쟁사 대비 유사한 knock down 효과

# Axen™ mRNA Transfection reagent

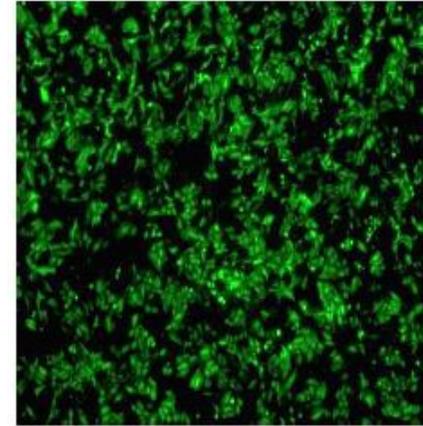
## 성능 및 비교 : HeLa

- Target : mRNA 의 transfection 전용 제품
- 비교 방식 : GFP 형광서열이 insertion 된 mRNA 를 transfection 후 형광 발현량 및 유지력 측정

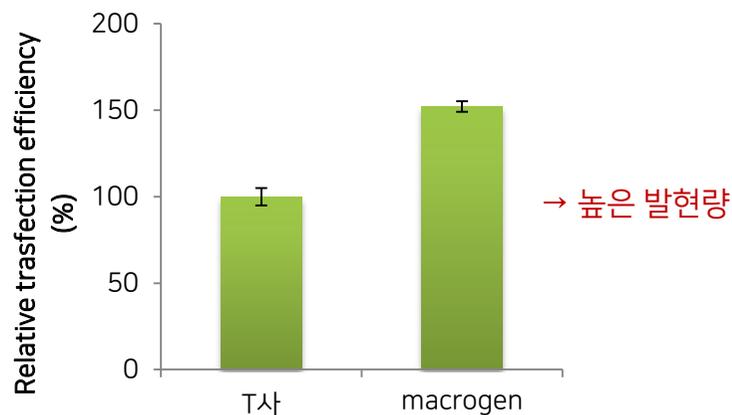
T사 mMAX



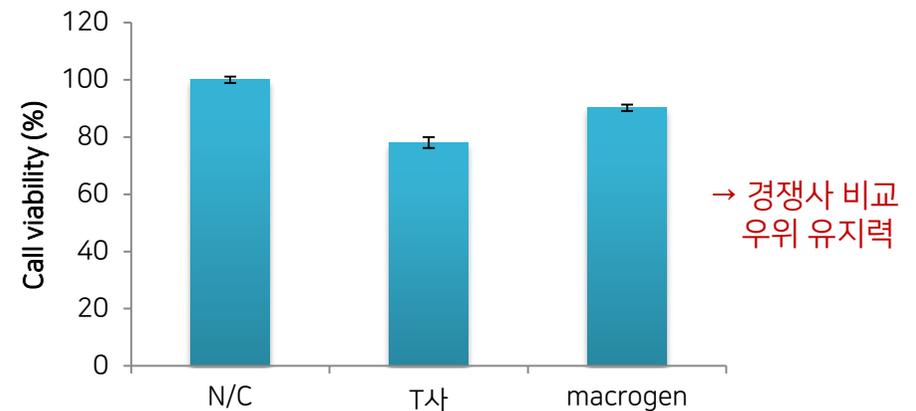
Axen™ mRNA Transfection reagent



GFP intensity



GFP viability

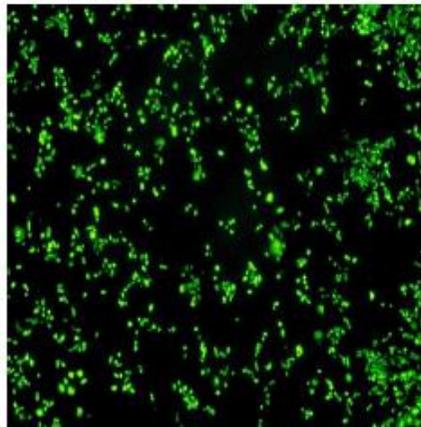


# Axen™ mRNA Transfection reagent

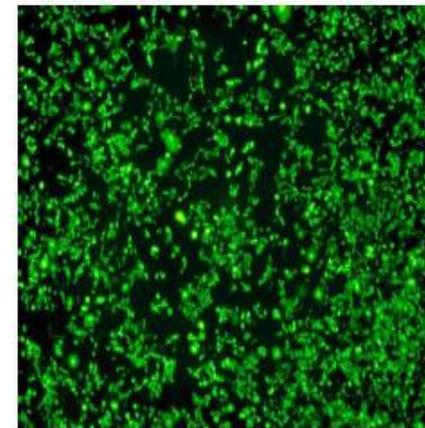
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- Target : mRNA 의 transfection 전용 제품
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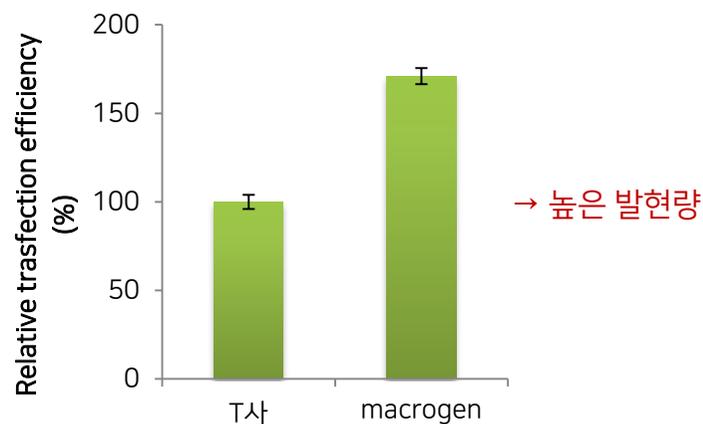
T사 mMAX



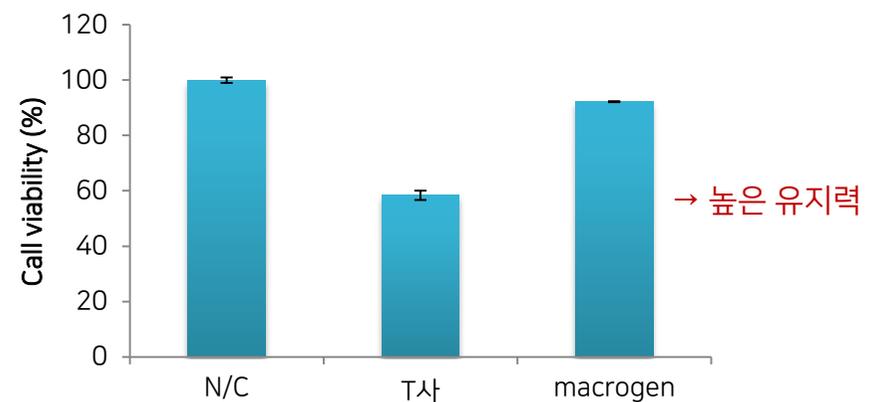
Axen™ mRNA Transfection reagent



GFP intensity



GFP viability

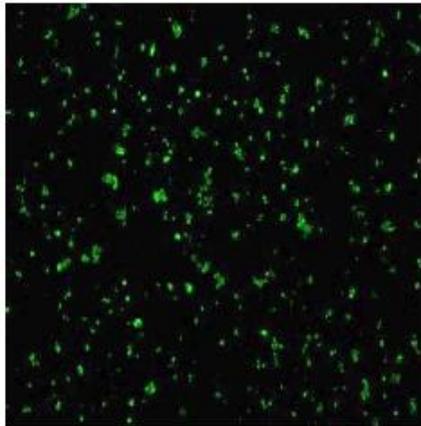


# Axen™ mRNA Transfection reagent

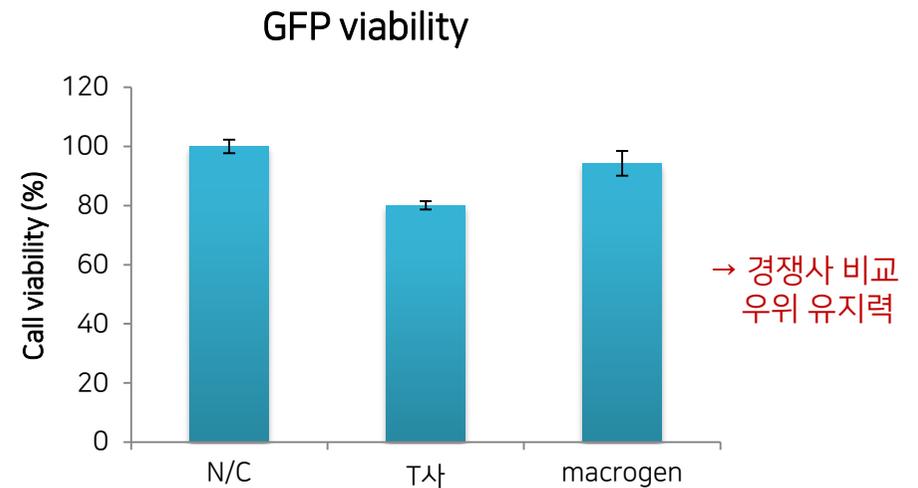
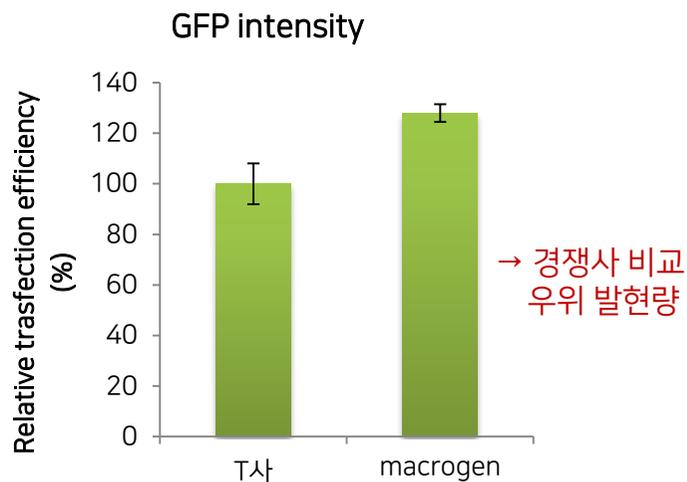
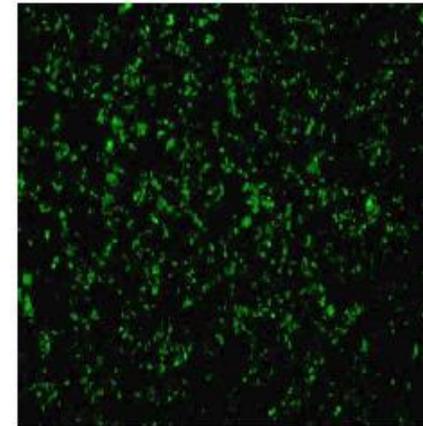
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T사 mMAX



Axen™ mRNA Transfection reagent



마크로젠 시약은  
합리적 가격으로  
연구자의 만족스러운 결과를  
제공합니다.

## Thank You

발표를 들어주셔서 감사합니다.