

## **Transfection efficiency test**

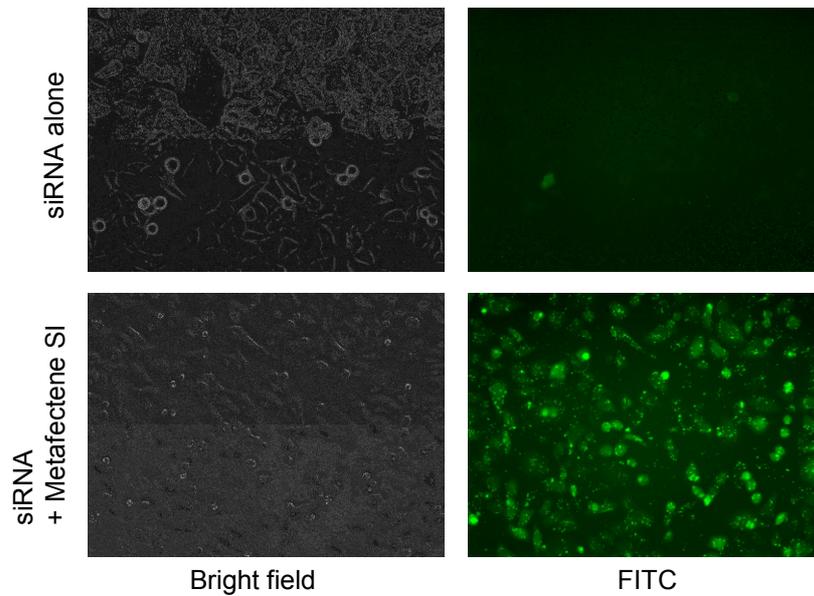
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## Comparison of siRNA delivery methods: Metafectene SI vs. Lipofectamine 2000

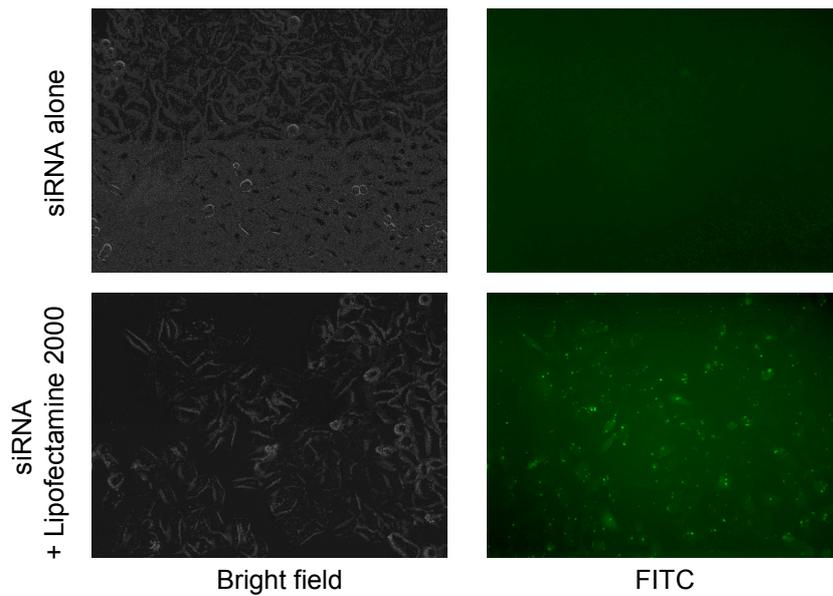
### Metafectene SI

- FITC-conjugated control siRNA (20 pmol / well, SantaCruz) were transfected to HeLa cells ( $2 \times 10^5$  cells / well) according to the manufacturer's protocol.



### Lipofectamine2000

- HeLa cells were seed in 24 well plate. Next day FITC-conjugated control siRNA (20 pmol / well, SantaCruz) were transfected using lipofectamine2000 according to the manufacturer's protocol.

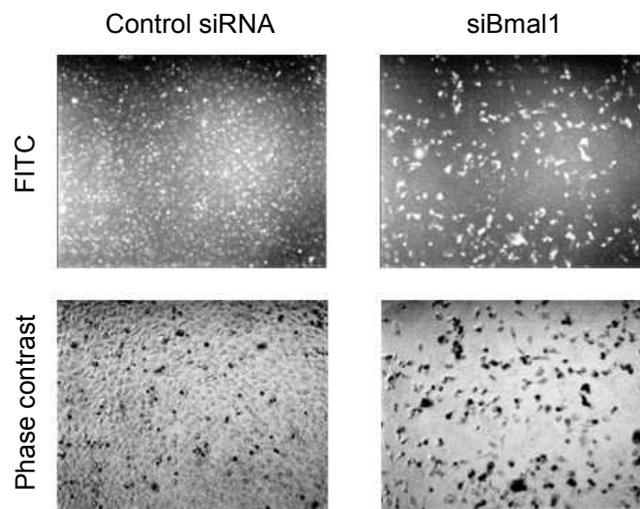


\*All FITC images are acquired by 500-ms exposure.

## siRNA-mediated knock-down of Bmal1 using Metafectene SI

1. HeLa cells ( $2 \times 10^6$  cells) were transfected with FITC-conjugated control siRNA or siBmal1 (Santa Cruz, sc-38165; 1 nmol each)
2. After 36 hrs, transfection efficiencies were determined by fluorescence microscopy. And then cells were harvested and subject to western blot.

### - Fluorescence image



### - Western blot

