

MacFectin

Catalogue #: CT002
Storage: 4-8 °C
Packing Size: 1mL

Brief Description: *MacFectin* transfection reagent is a combination of revolutionary technologies that enables transfection of eukaryotic cells with high efficiency and lower toxicity than most available transfection reagent on the market. *MacFectin* can be used for stable or transient transfection of cell lines, primary cultures with very large DNA constructs (up to 100 kb), oligonucleotides or nucleotides.

ONE reasons to choose *MacFectin*.

- ONE reagent
- ONE DNA mixture
- ONE-minute mixing
- ONE-hour incubation
- ONE-day expression

Experimental Procedures:

- Seed the cells 24 hours before transfection at 50-70% confluence.
- Prepare the *MacFectin*:DNA complex.
 - ✧ Dilute DNA with serum-free cell culture medium.
 - ✧ Add *MacFectin* by following the guideline given on Table (right).
 - ✧ Brief vortexing.
 - ✧ Incubate the complex for 1 minute at room temperature.
 - ✧ Add the complex evenly to the cell medium.

- ✧ Change medium after 1 hour incubation.
- Incubate cells 24 hours before analysis

Table 1.

Cell culture device	24-well	12-well	6-well	35-mm	60-mm	100-mm
Medium vol. (mL)	0.5	1	2	3	5	10
Serum-free medium(μL)	50	100	200	300	500	1000
DNA(μg) up to	1	2	3	5	10	20
MacFectin (μL)	3	6	9	12	20	40

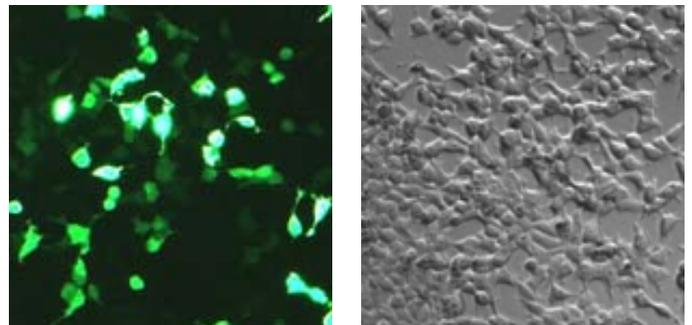


Figure 1. Human embryonic kidney (HEK) 293T cells were transfected with pCMV-GFP with *MacFectin* reagent. Left: florescent; Right: phase. (x100).

For resaech use only