

Typical results of siRNA transfection protocol of MRC-5 cells

Electroporation: MRC-5 subconfluent, 0,5 mil./well 24,

Cells trypsinized, counted and 2x washed with GTporator® buffer, dissolved at 1 mil./150 μ l

2 μ g DNA EGFP plasmid + 200 pmol siRNA duplex (2 μ l of 100 μ M stock)

Bio-Rad Gene Pulser RF module settings:

Function	Setting
Total volts [V]	240 (0,2 cm)
Modulation [%]	100
Radio frequency [kHz]	40
Burst duration [msec]	4
Number of bursts	5
Burst interval [sec]	1
Cuvette size [cm]	0,2

Transfection:

Cuvette	DNA	siRNA	GTporator®
1	EGFP 2 μ g	GFP (4 μ l, 50 μ M)	75 μ l
2	EGFP 2 μ g	Nensp. (4 μ l, 50 μ M)	75 μ l

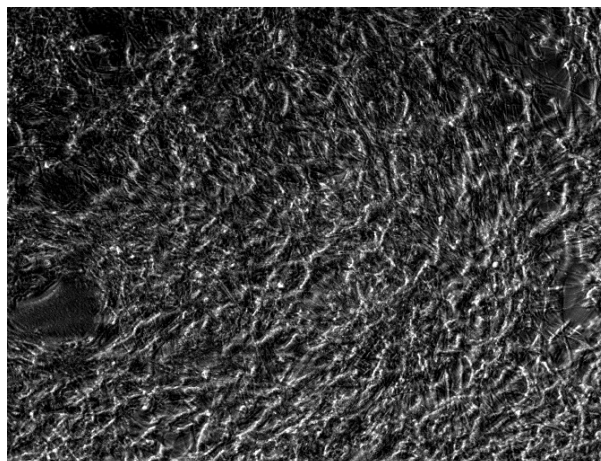
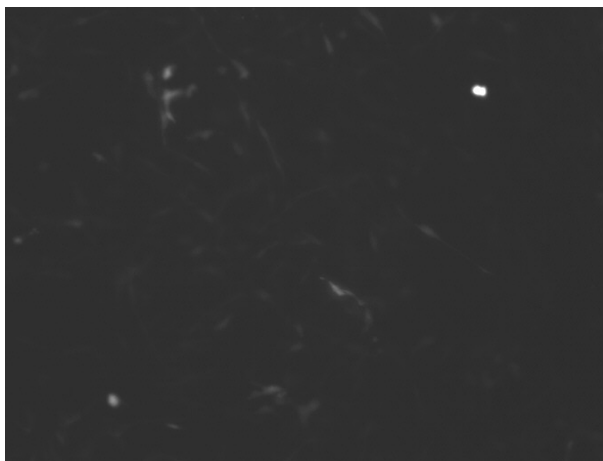
MRC-5 – Electroporation RF

Transfection efficiency from previous experiment, tested after 24 h post electroporation, estimated for about 65%

Expression after 18 h (transfection at 16:00, picture taken at 10:00 next day)

Viability more than 80%

EGFP + siGFP



EGFP + siNS

