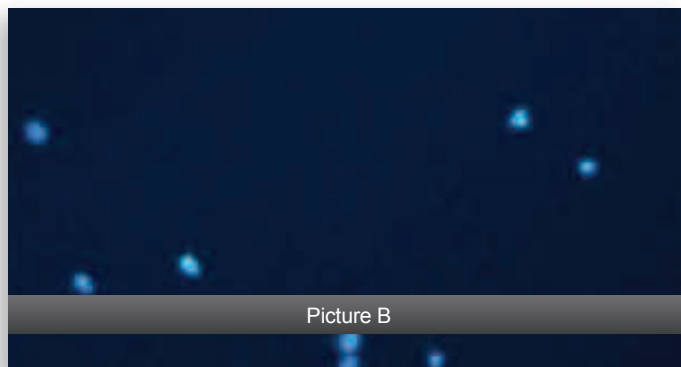
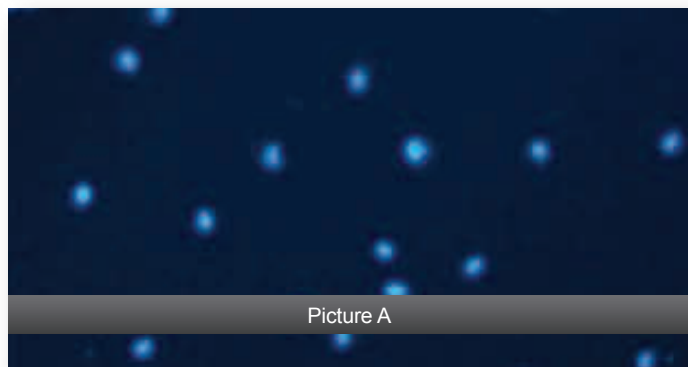


siRNA AGAINST ACTIN IN HeLa CELLS



HeLa Cells were transfected in a Costar® 24-well tissue culture treated plate using the magnefect-nano™ transfection system with 300 nM siRNA against actin (B) or its scrambled control (A) and 1 µl of nTMag per well. Cells were analysed 7 days post-transfection using the adhesion assay (Dormoy-Raclet et al, 2007).

CELL SEEDING PARAMETERS (BEST CONDITIONS)

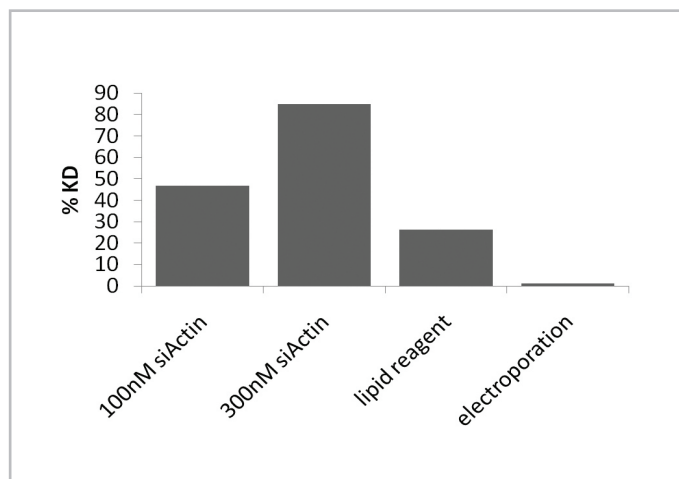
Plate type: Costar® 24-well plate (tissue culture treated)
Cell seeding density: 5.0×10^4 cells/well
Cell seeding volume: 600 µl
Cell seeding time: 24 hours prior to transfection
Serum starve: Nil

TRANSFECTION COMPLEX (BEST CONDITIONS)

Transfection reagent: Nanotherics nTMag
Transfection reagent (volume/well): 1.2 µl
siRNA (molar): 300 nM
Transfection medium: Serum-free MEM
Transfection volume: 600 µl

MAGNEFACT-NANO™ PARAMETERS (BEST CONDITIONS)

Frequency: 2 Hz
Displacement: 0.2 mm
Time: 30 minutes (3600 cycles)
GFP-nTMAG complexes were left in wells
Optimal length of time for over expression: 7 days



CELL INFORMATION

Cell type: HeLa (adherent cell line)
Species: Human
Medium: MEM with 10% FCS, 2 mM L-glutamine
Cell density prior to transfection: High (70 – 80%)
Culture condition: Temperature, 37°C; Atmosphere: 95% air, 5% CO₂