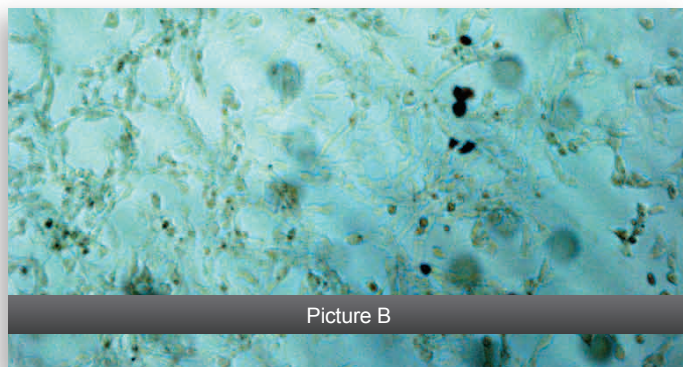
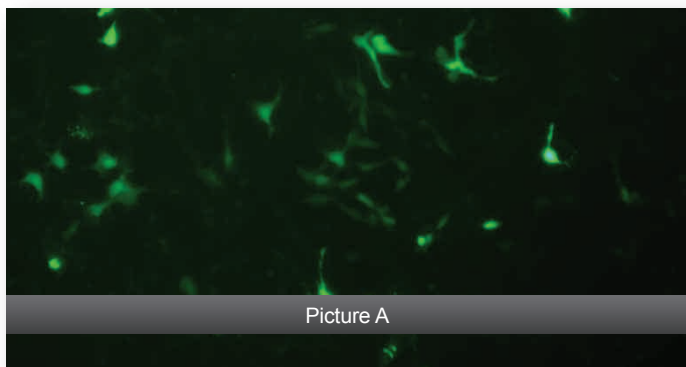


Neu7 CELLS



Neu7 Cells were transfected in a Costar® 24-well tissue culture treated plate using the magnefect-nano™ transfection system with 1.2 µl nTMAG and 1.2 µg of pEGFP-N1 per well. Cells were analysed 48 hours post-transfection by fluorescence microscopy (A) and light microscopy (B).

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

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: 48 hours

TRANSFECTION COMPLEX (BEST CONDITIONS)

Transfection reagent: nTMAG
Transfection reagent (volume/well): 1.2 µl
DNA (mass/well): 1.2 µg
Transfection medium: Serum-free DMEM
Transfection volume: 600 µl

CELL INFORMATION

Cell type: Neu7 astrocytes (work done at National Institutes of Health, Bethesda)
Species: Rat
Medium: DMEM with 10% Fetal Calf Serum, 2 mM L-glutamine
Cell density prior to transfection: High (70 – 80%)
Culture condition: Temperature, 37°C; Atmosphere: 95% air, 5% CO₂