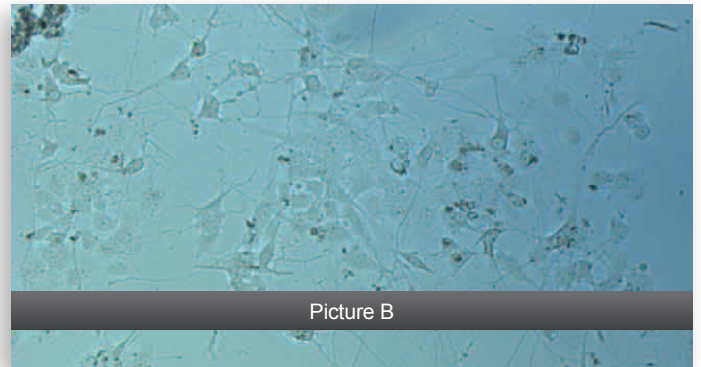
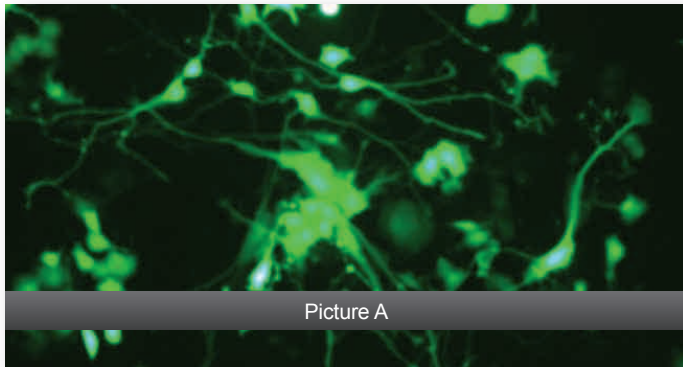


DIFFERENTIATED PC12 CELLS



NGF-differentiated PC12 Cells (50 ng/ml for 7 days) were transfected in a Iwaki® 96-well tissue culture treated plate using the magnefect-nano™ transfection system with NeuroMag and either pEGFP-N1 (A,B) or pCIK-Lux (C) per well. Cells were analysed 72 hours post-transfection by fluorescence microscopy (A), light microscopy (B) or a luciferase assay (Promega) (C).

CELL SEEDING PARAMETERS (BEST CONDITIONS)

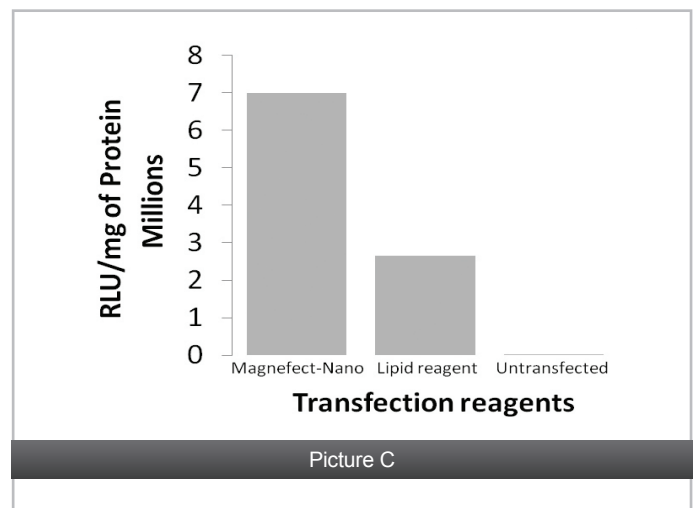
Plate type: Iwaki® 96-well plate (tissue culture treated), coated with Collagen Type IV
Cell seeding density: 1.5×10^4 cells/well
Cell seeding volume: 100 μ l
Cell seeding time: 24 hours prior to transfection
Serum starve: Yes

TRANSFECTION COMPLEX (BEST CONDITIONS)

Transfection reagent: Nanotherics/Oz Biosciences NeuroMag
Transfection reagent (volume/well): 0.15 μ l
DNA (mass/well): 0.05 μ g
Transfection medium: Serum-free RPMI
Transfection volume: 100 μ l

MAGNEFACT-NANO™ PARAMETERS (BEST CONDITIONS)

Frequency: 2 Hz
Displacement: 0.2 mm
Time: 30 minutes (3600 cycles)
DNA-nTMAG complexes were left in wells
Optimal length of time for over expression: 72 hours



CELL INFORMATION

Cell type: PC12
Species: Rat
Medium: RPMI-1640 (Invitrogen) supplemented with 10% Fetal Calf Serum and 2 mM L-glutamine (Biosera)
Cell density prior to transfection: Medium (50 – 60%)
Culture condition: Temperature, 37°C; Atmosphere: 95% air, 5% CO₂