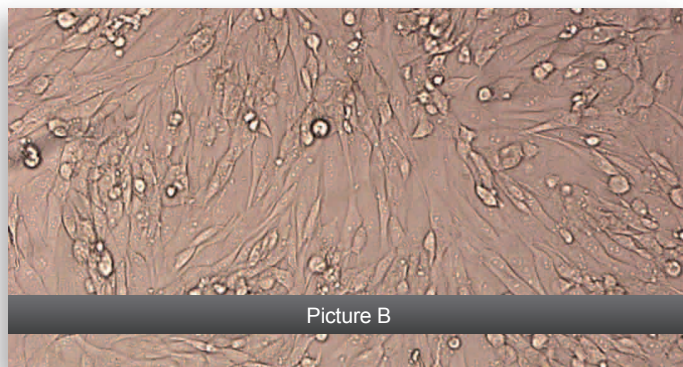
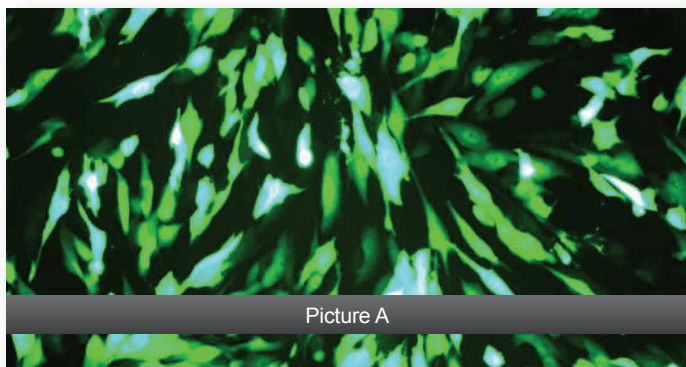


MG63 CELLS



MG63 Cells were transfected in a Greiner Bio-One 96-well tissue culture treated plate using the magnefect-nano™ transfection system (96-well plate magnet) with 0.1 µl nTMAG and 0.1 µg of a plasmid encoding EGFP per well. 48 hours post-transfection, the cells were analysed by fluorescence microscopy (A) and light microscopy (B).

CELL SEEDING PARAMETERS

Plate type: ● Greiner Bio-One 96-well or ■ Costar® 24-well plate (tissue culture treated)

Cell seeding density: ● 1.5 x10⁴ or ■ 9.0 x10⁴ cells/well (4.7 x10⁴ cells/cm²)

Cell seeding volume: ● 100 µl or ■ 600 µl

Cell seeding time: 24 hours prior to transfection

Serum starve: No

MAGNEFECT-NANO™ PARAMETERS

Frequency: 2 Hz

Displacement: 0.2 mm

Time: 1 hour (7200 cycles)

TRANSFECTION COMPLEX

(see magnefect-nano™ protocol for more details)

Transfection reagent: nTMAG

Transfection reagent (volume/well): ● 0.1 µl or ■ 0.6 µl

DNA (mass/well): ● 0.1 µg or ■ 0.6 µg

Transfection medium: DMEM Medium (i.e. serum - and supplement-containing)

Transfection volume: ● 100 µl or ■ 600 µl

Medium change after transfection: No

CELL INFORMATION

Cell type: MG63 (cell line; adherent)

Species: Human

Tissue origin: Bone

Morphology: Fibroblast

Medium: DMEM Medium; 10% FCS; L-glutamine; antibiotics

Culture condition: Temperature, 37°C; Atmosphere: 95% air, 5% CO₂

Grey (marked with a ●) denotes values for the 96-well plate magnet format

Blue (marked with a ■) denotes values for the 24-well plate magnet format