

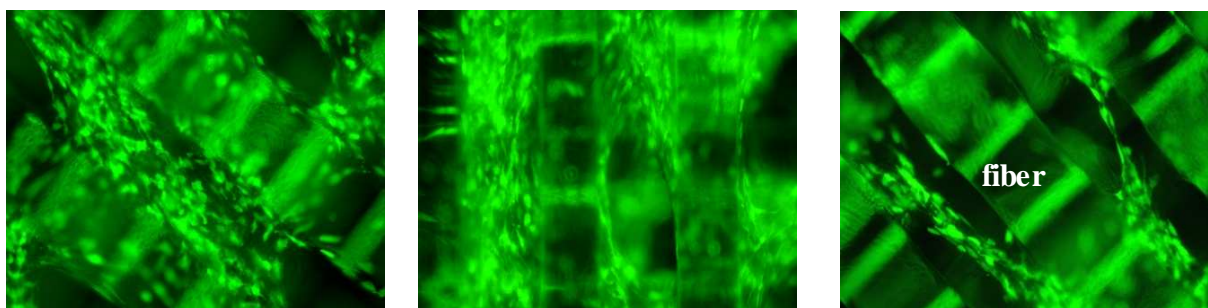
3D Cell Transfection Kit - Results

A – Fibroblasts

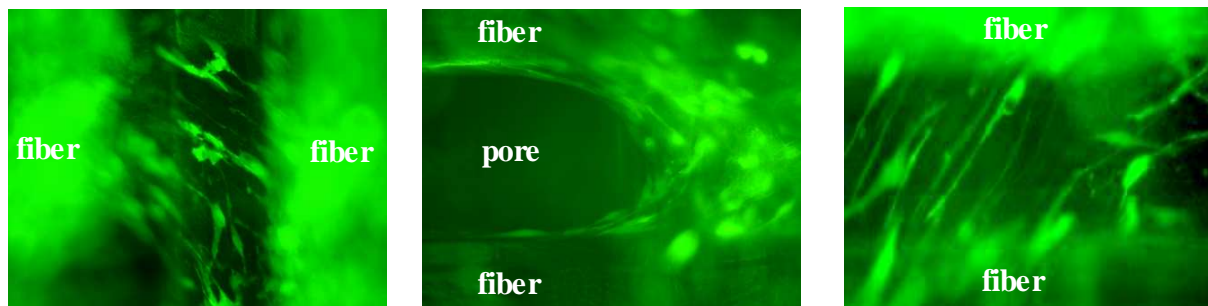
NIH3T3 cells (200×10^3) were transfected in a 96-well compatible scaffold with 0.5 μg of EGFP encoding plasmid DNA and 3 μL of 3D Transfection Reagent. EGFP expression in 3D transfected cells was monitored by fluorescence microscopy 24 h post-transfection.



X10



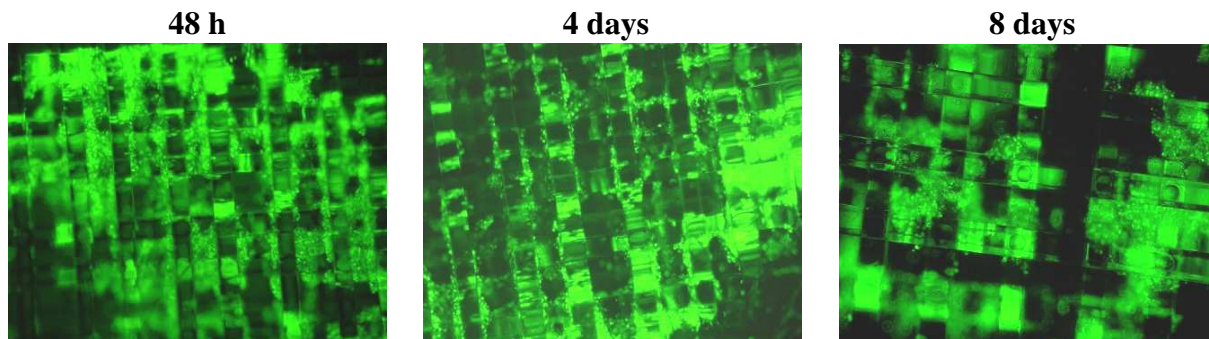
X20



X40

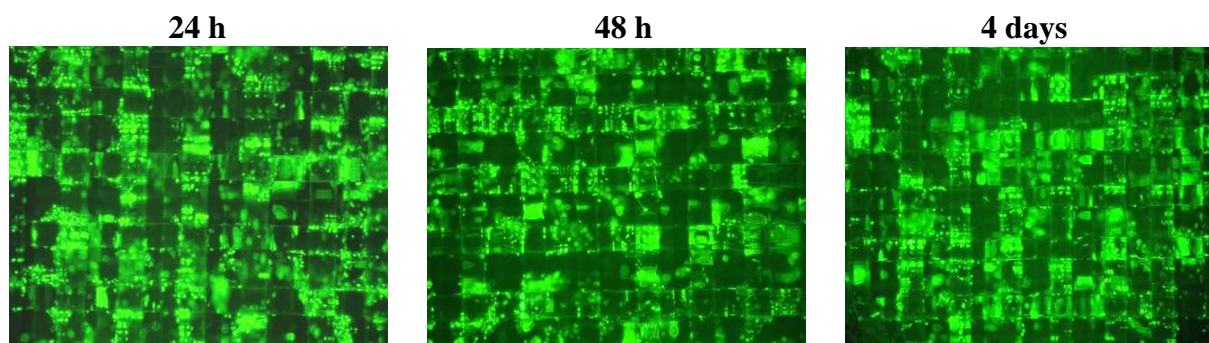
B – Epithelial Cells

HEK293T cells (200×10^3) were transfected in a 96-well compatible scaffold with $0.5 \mu\text{g}$ of EGFP encoding plasmid DNA and $3 \mu\text{L}$ of 3D Transfection Reagent. EGFP expression in 3D transfected cells was monitored by fluorescence microscopy 48 h, 4 days and 8 days post-transfection.



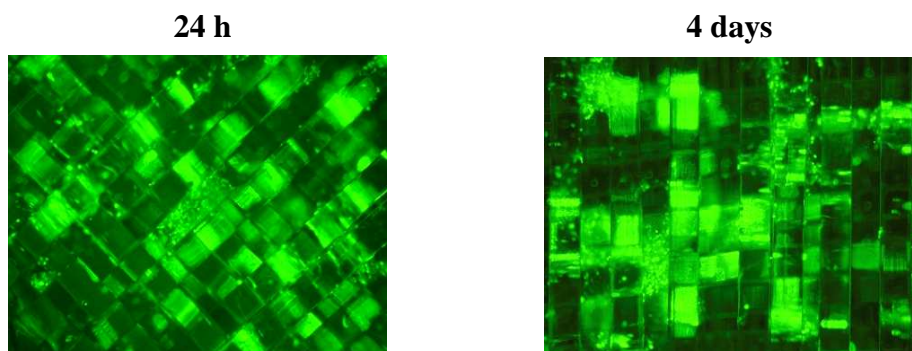
C – Neuronal Cells

SH5Y cells (200×10^3) were transfected in a 96-well compatible scaffold with $0.5 \mu\text{g}$ of EGFP encoding plasmid DNA and $3 \mu\text{L}$ of 3D Transfection Reagent. EGFP expression in 3D transfected cells was monitored by fluorescence microscopy 24 h, 48 h and 4 days post-transfection.



D – Glial Cells

U87 cells (200×10^3) were transfected in a 96-well compatible scaffold with $0.5 \mu\text{g}$ of EGFP encoding plasmid DNA and $3 \mu\text{L}$ of 3D Transfection Reagent. EGFP expression in 3D transfected cells was monitored by fluorescence microscopy 24 h and 4 days post-transfection.



E – 2D Vs 3D transfection

2D transfection: HEK293T cells (10×10^3) were transfected in a 96-well plate with 0.25 μg of a EGFP or IL-2 cytokine encoding plasmids and 0.5 μL of a commercial transfection reagent. Transgene expression was measured by cytofluorimetry and ELISA assay from 24 h to 96 h.

3D transfection: HEK293T cells (200×10^3) were transfected in a 96-well compatible scaffold with 0.5 μg of a EGFP or IL-2 cytokine encoding plasmids and 3 μL of 3D Transfection Reagent. Transgene expression was measured by cytofluorimetry and ELISA assay from 24 h to one week.

HEK293T	96-well	3D 96-scaffold
Number of Transfected Cells	30,000	200,000
Transgene Expression Time Course (days)	4	8
Relative Amount of GFP	1	6
Relative Amount of Recombinant IL-2 Cytokine	1	10

