

Figure 1 A

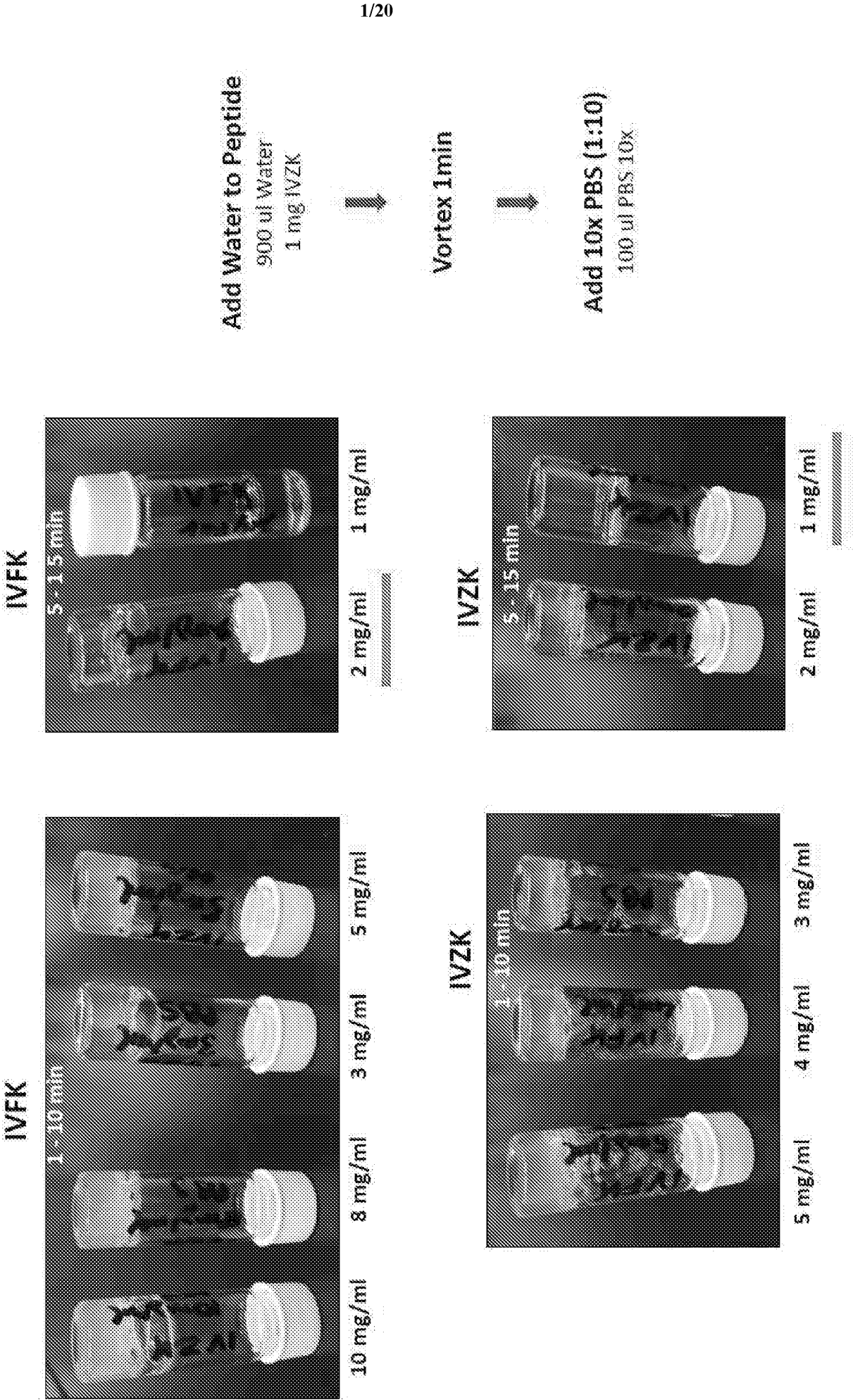


Figure 1 B

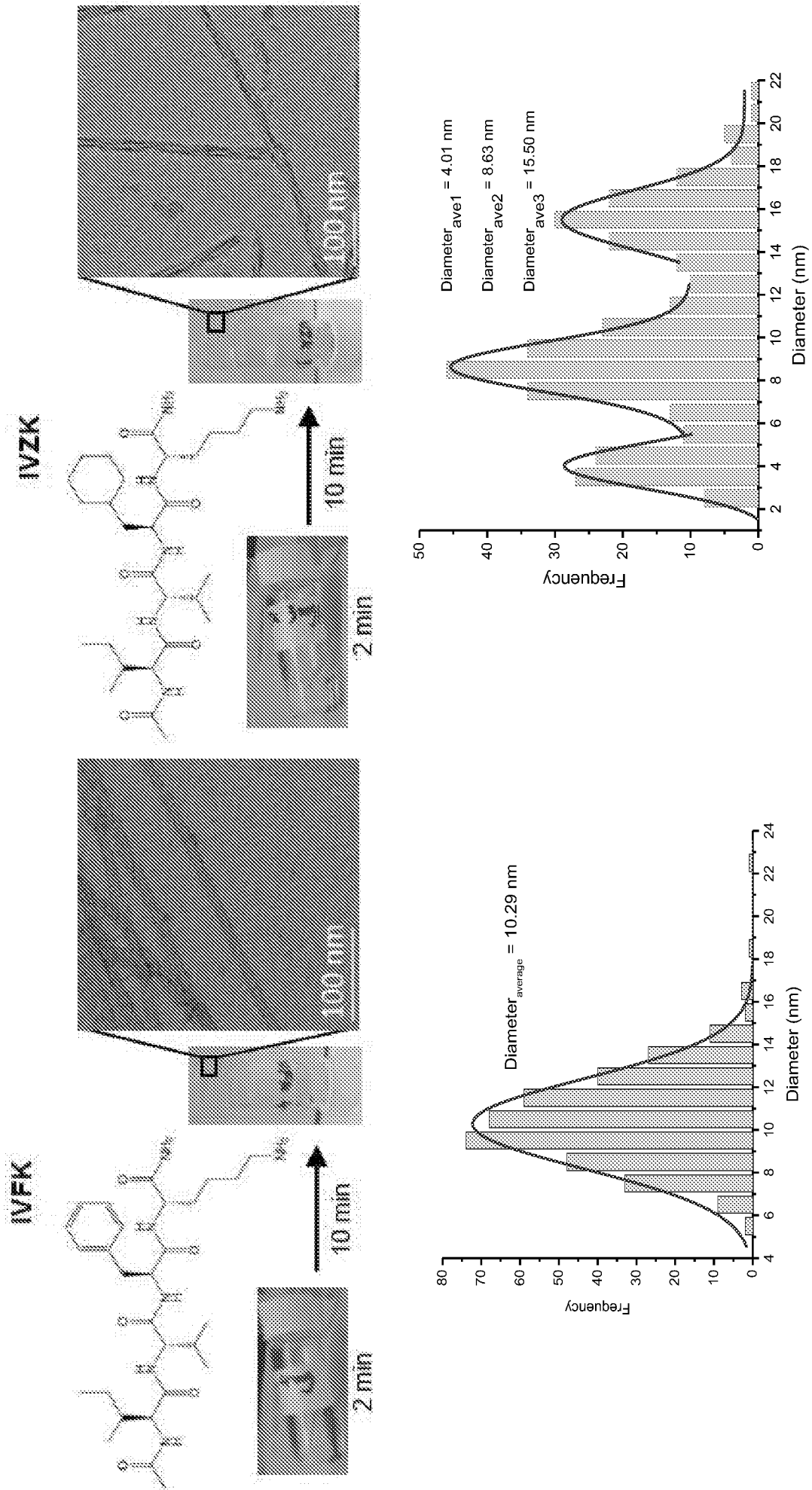


Figure 2

FESEM

IVFK (5mg/ml)

IVZK (4mg/ml)

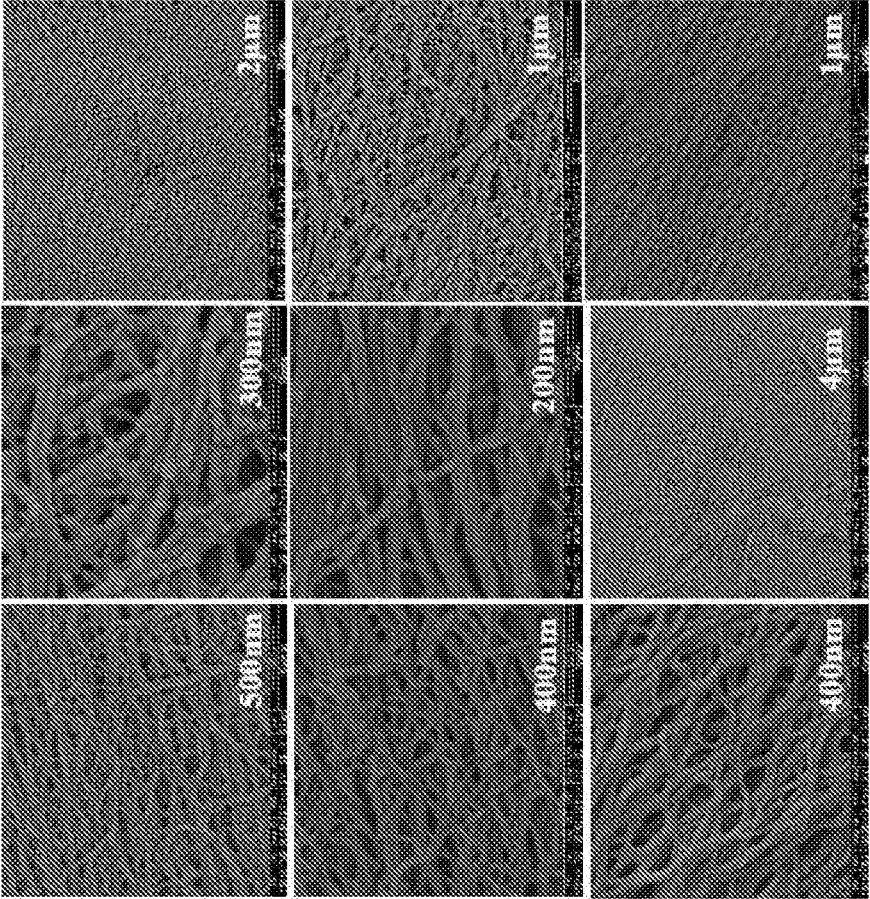
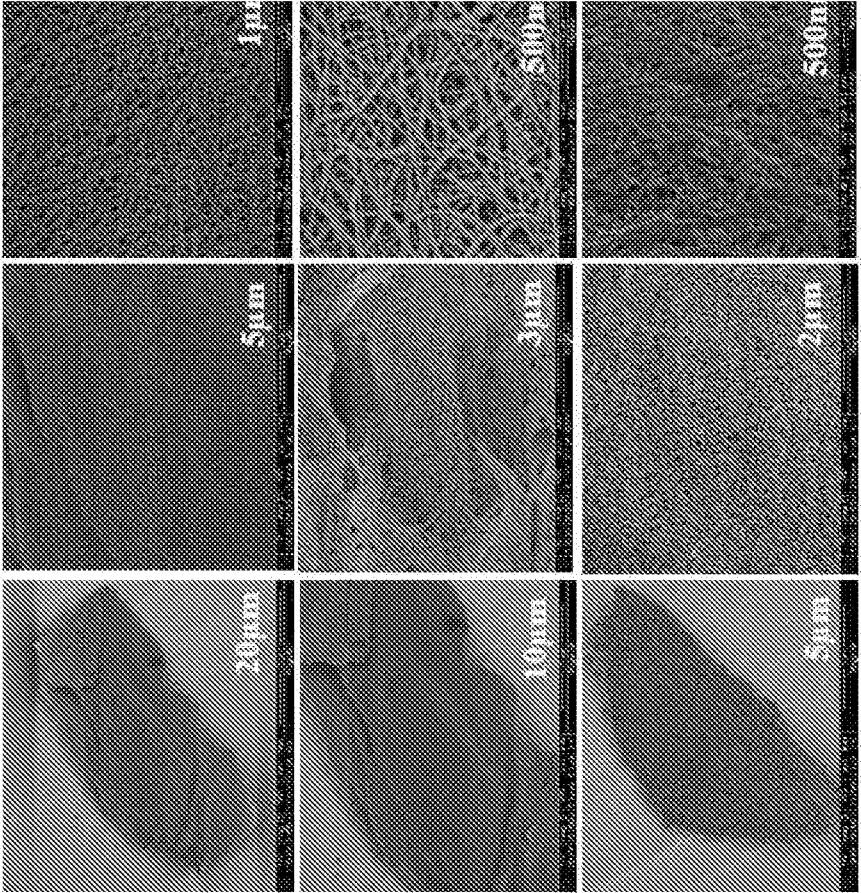


Figure 3

Frequency sweep

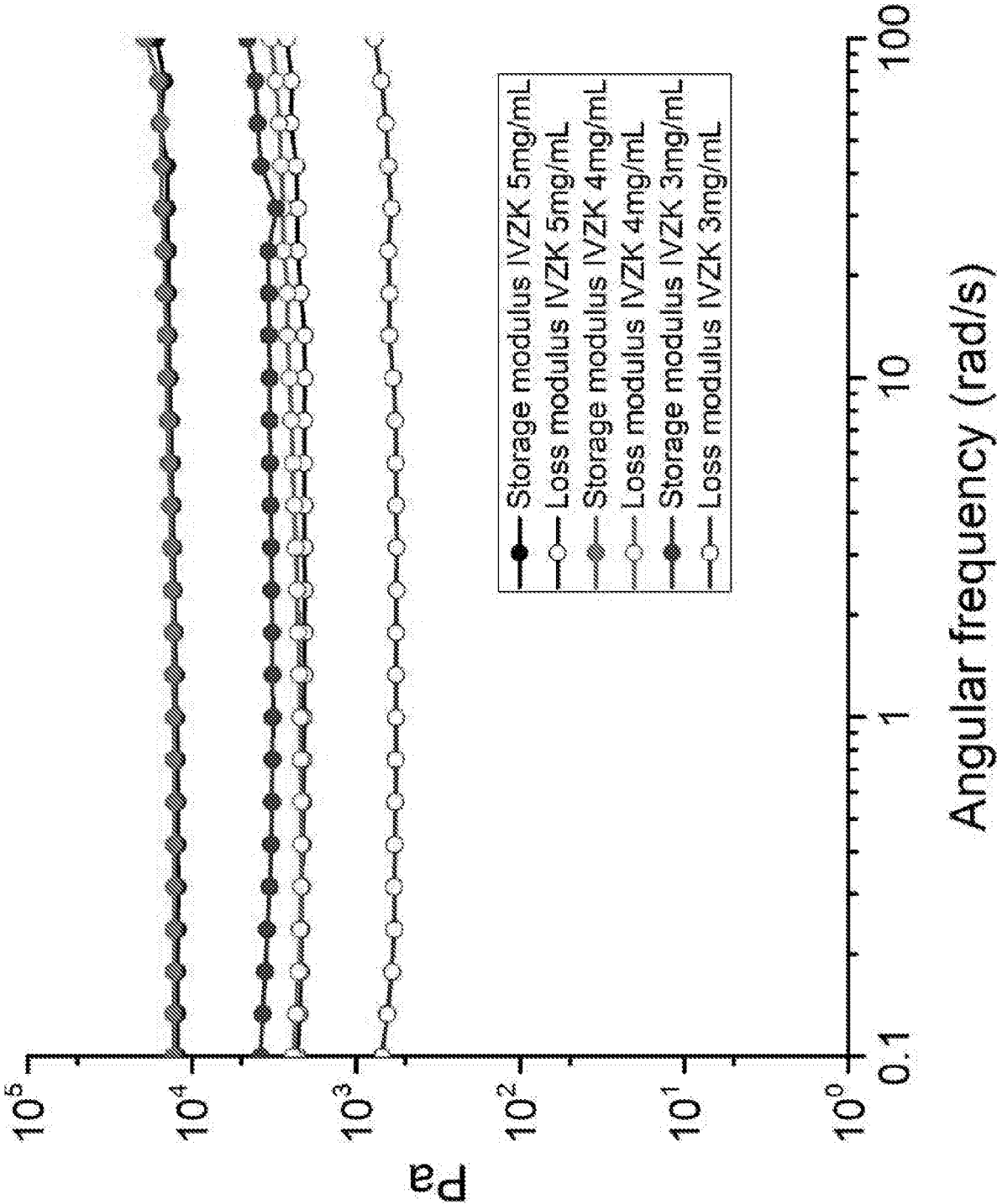
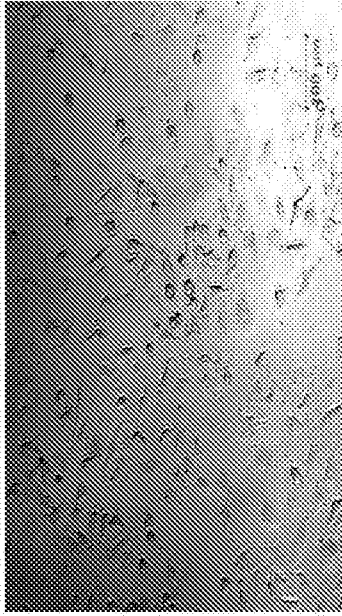
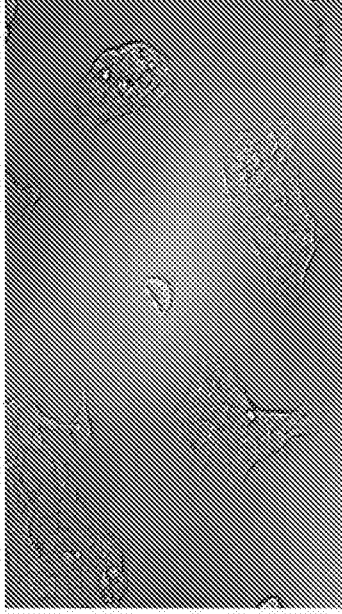


Figure 4

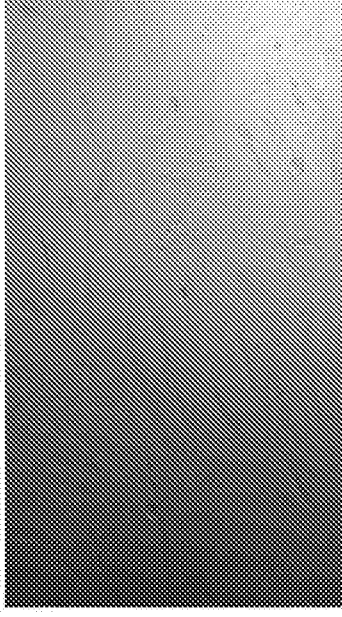
Cell morphology of cells used



Morphology of HeLa Cells



Morphology of HEK 293T Cells



Morphology of hDFn Cells

Figure 5

MTT assay of HeLa cells treated with IVFK peptide

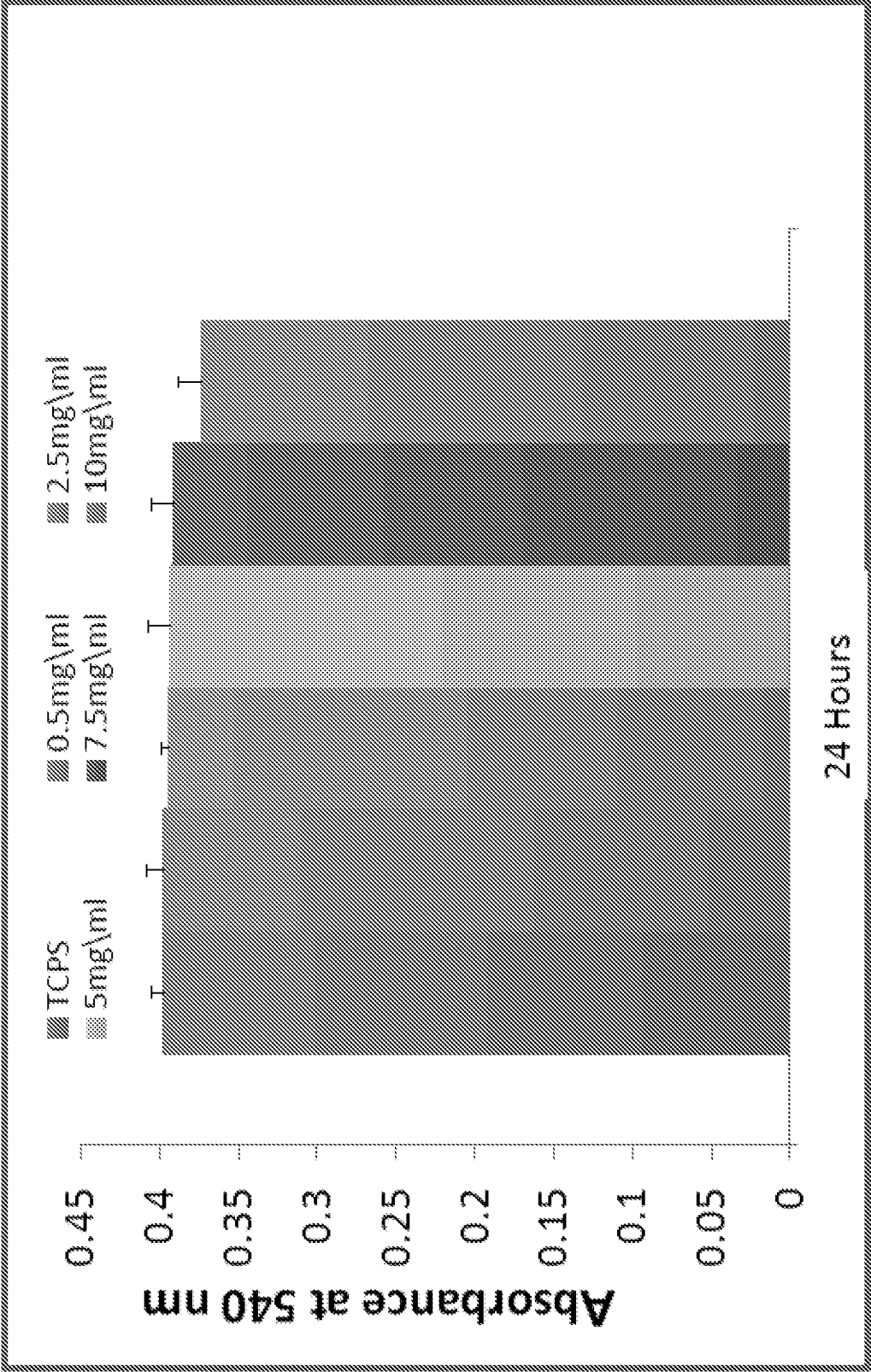


Figure 6

Live/Dead staining of HeLa cells treated with IVFK peptide

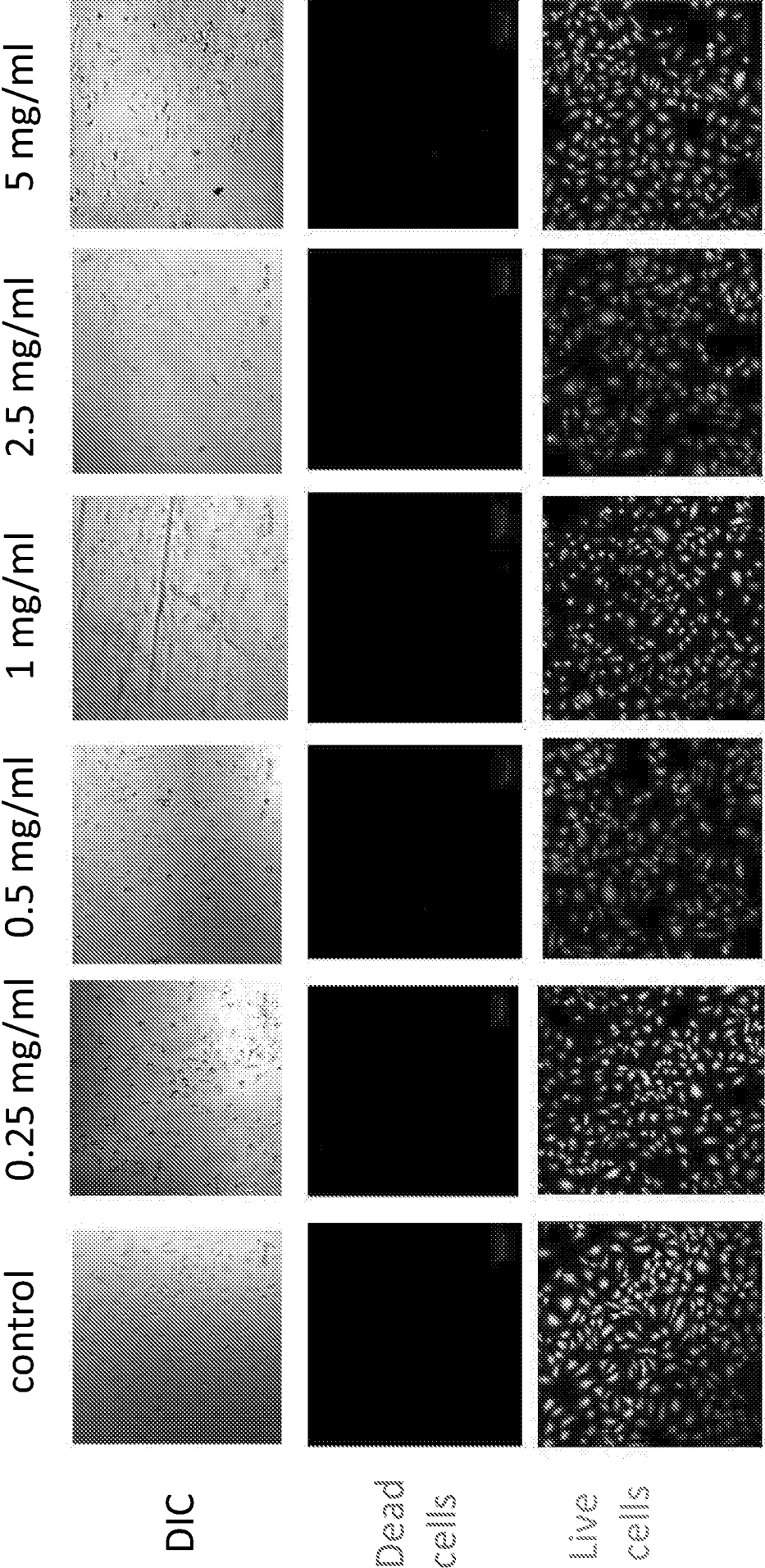


Figure 7

MTT assay of HeLa cells treated with IVZK peptide

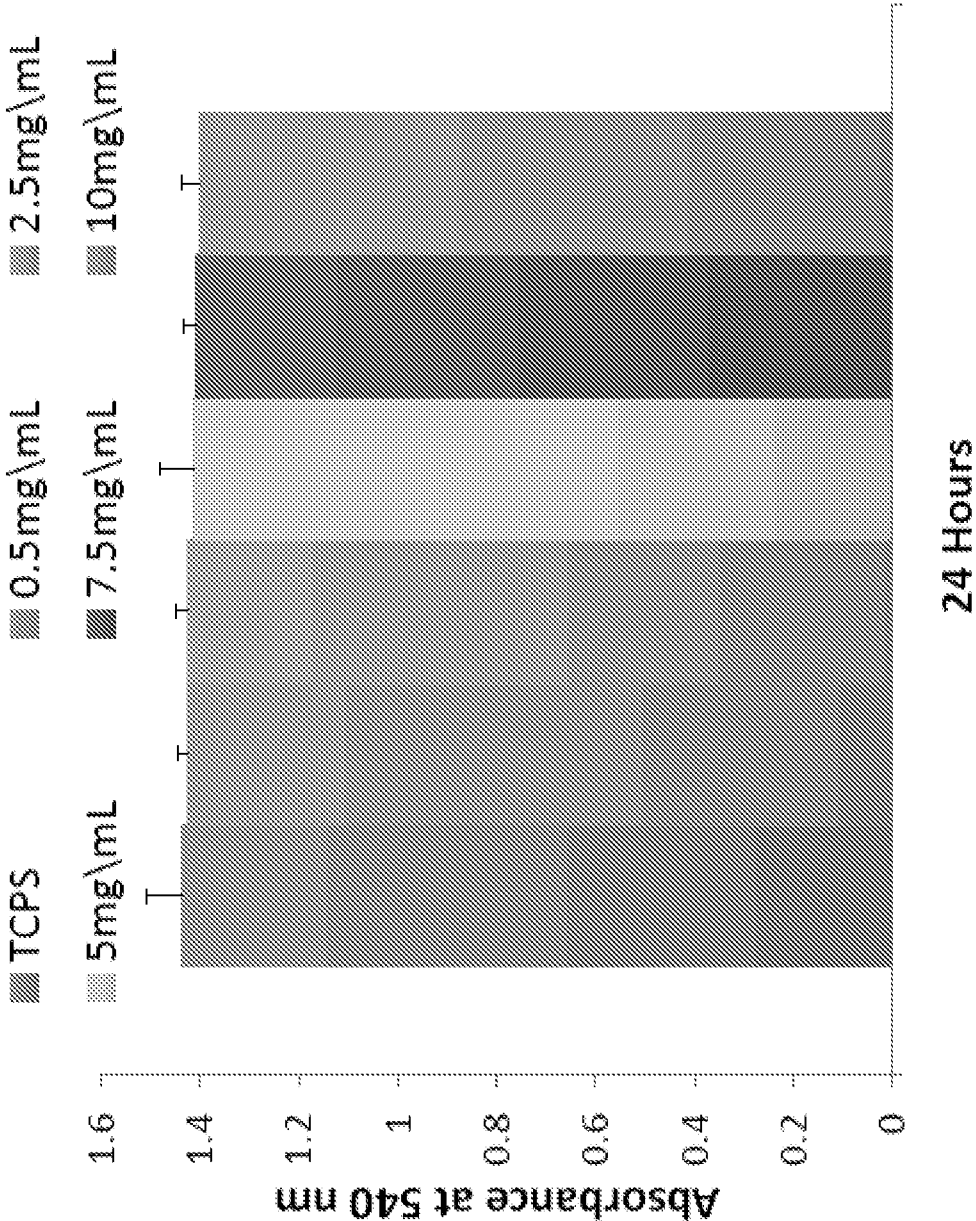


Figure 8

Live/Dead staining of HeLa cells treated with IVZK peptide

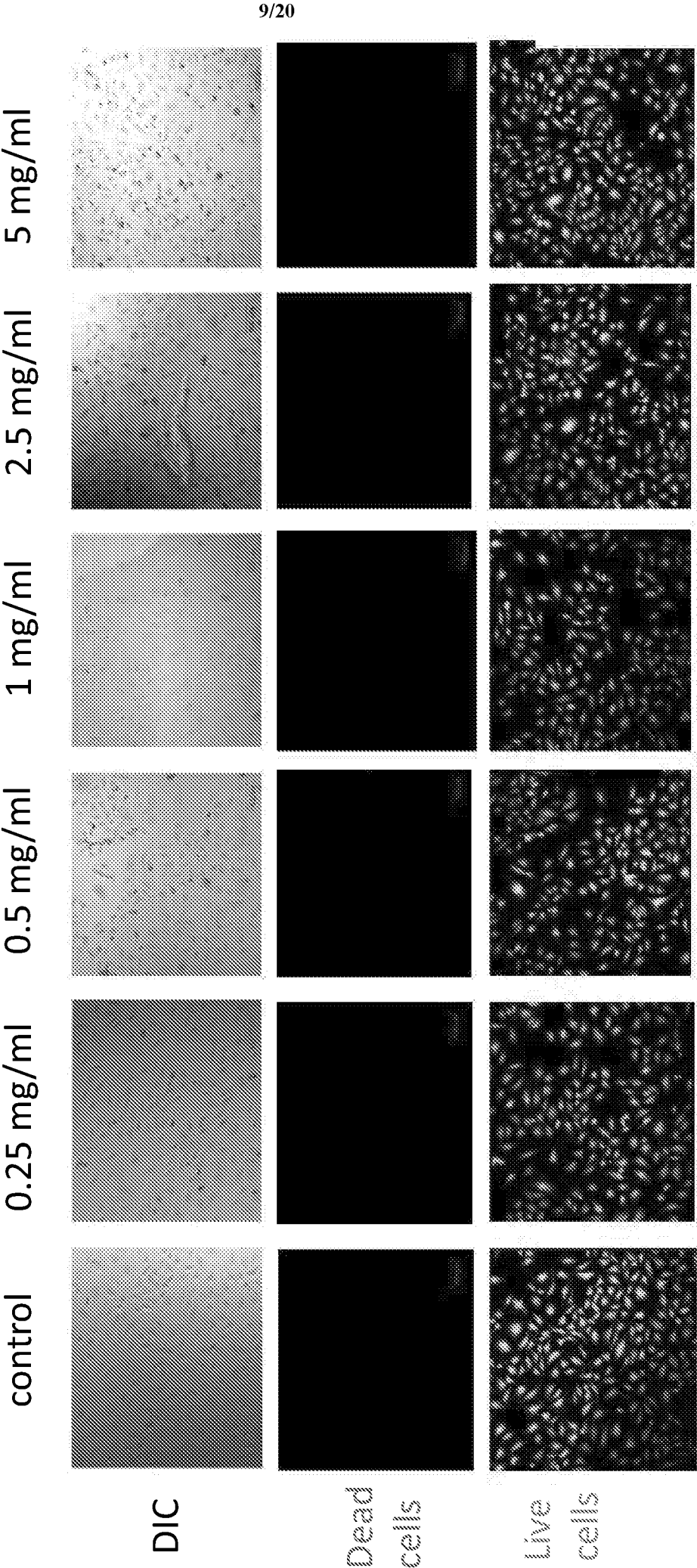


Figure 9

MTT assay of HEK 293 T cells treated with IVFK peptide

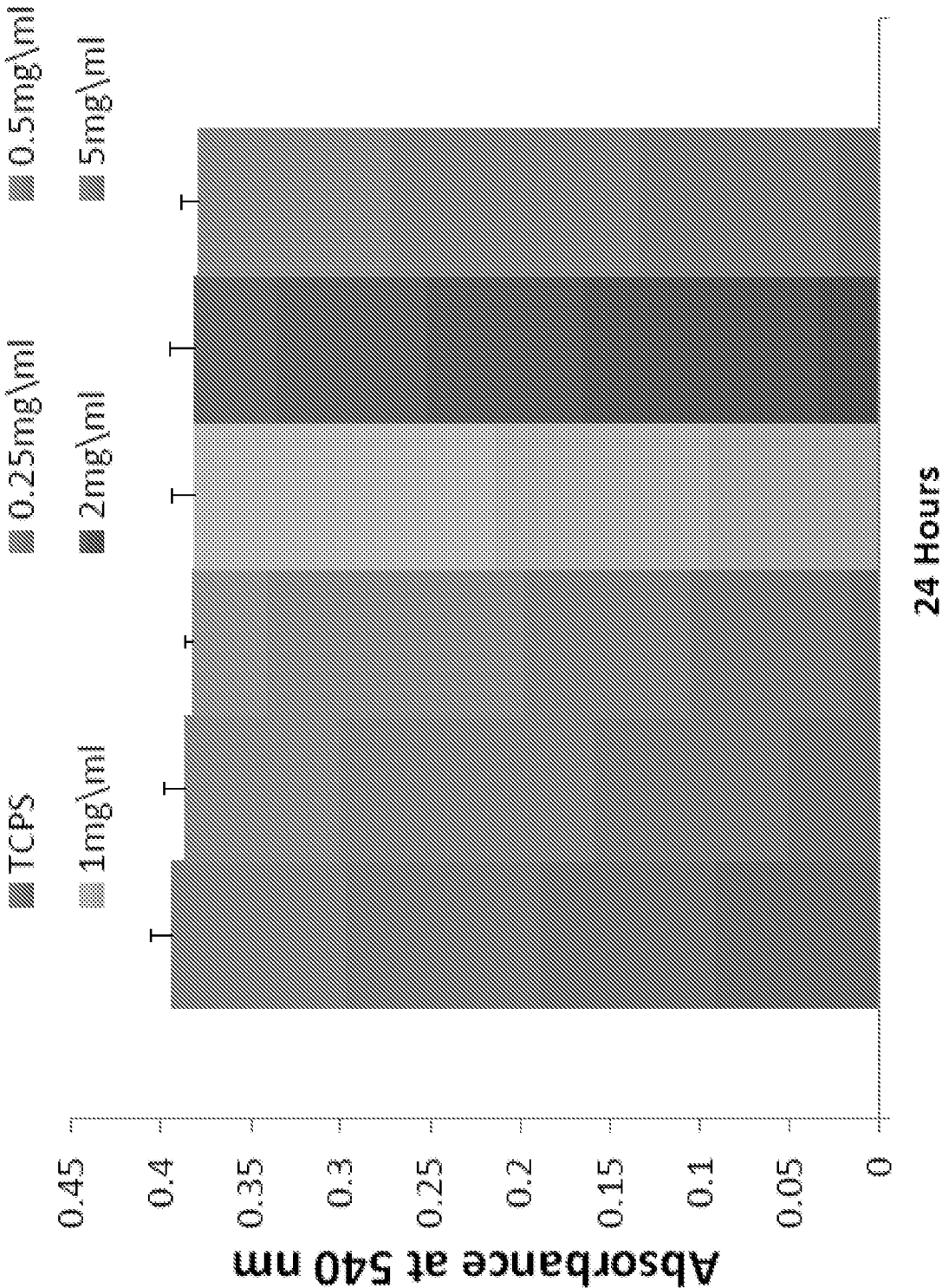


Figure 10

Live/Dead staining of HEK 293 T cells treated with IVFK peptide

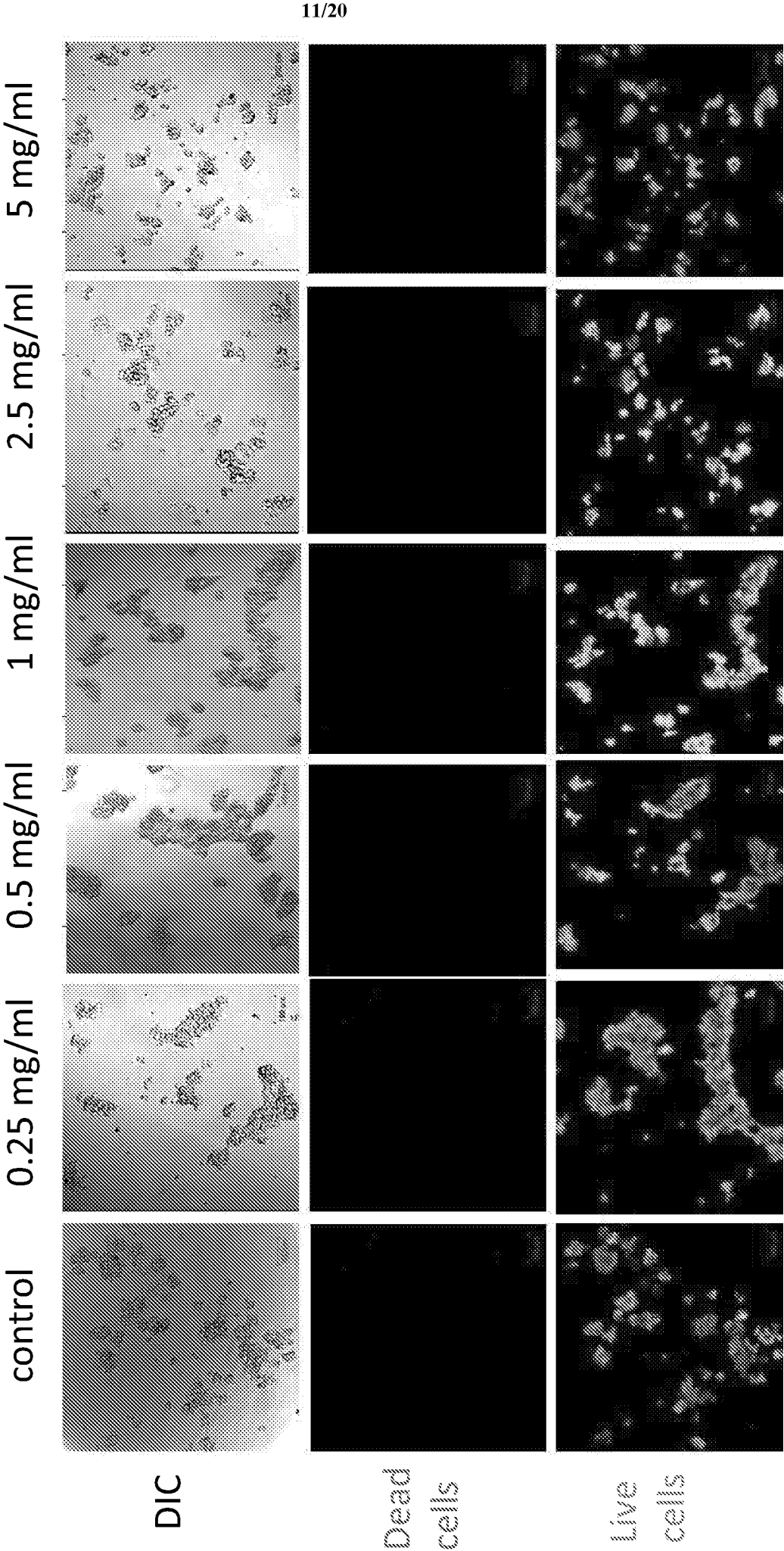


Figure 11

Live/Dead staining of HEK 293 T cells treated with IVFK peptide

control 0.25 mg/ml 2.5 mg/ml 5 mg/ml

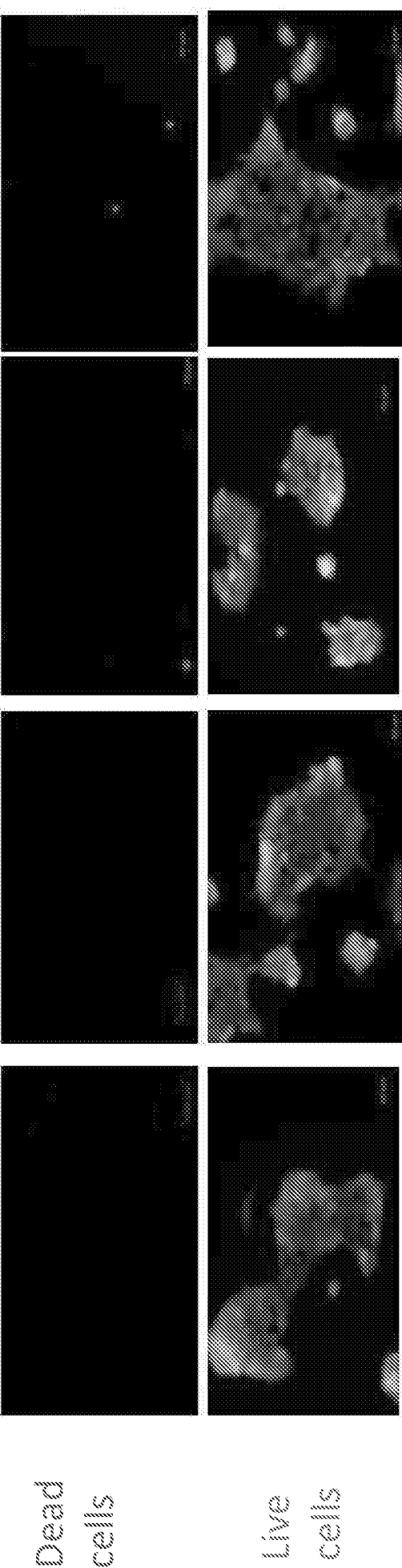
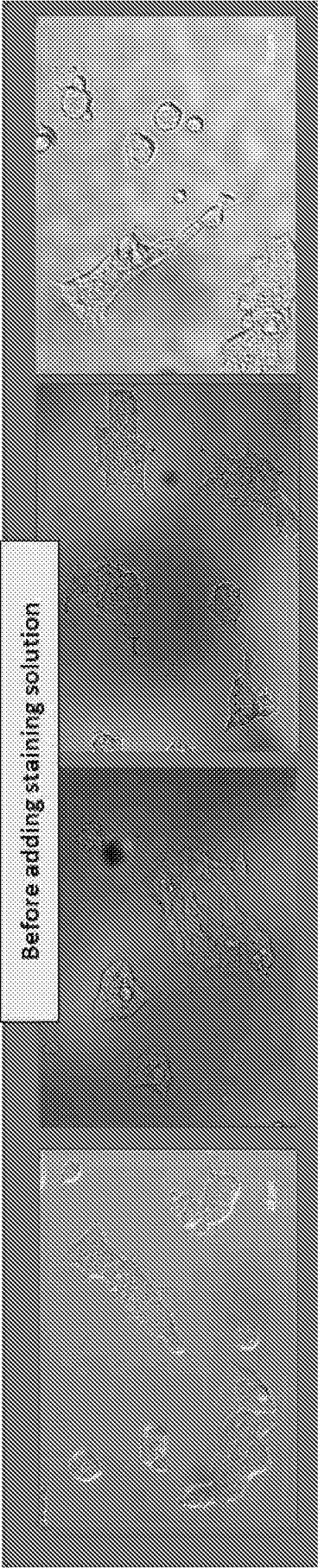


Figure 12

MTT assay of HEK 293 T cells treated with IVZK peptide

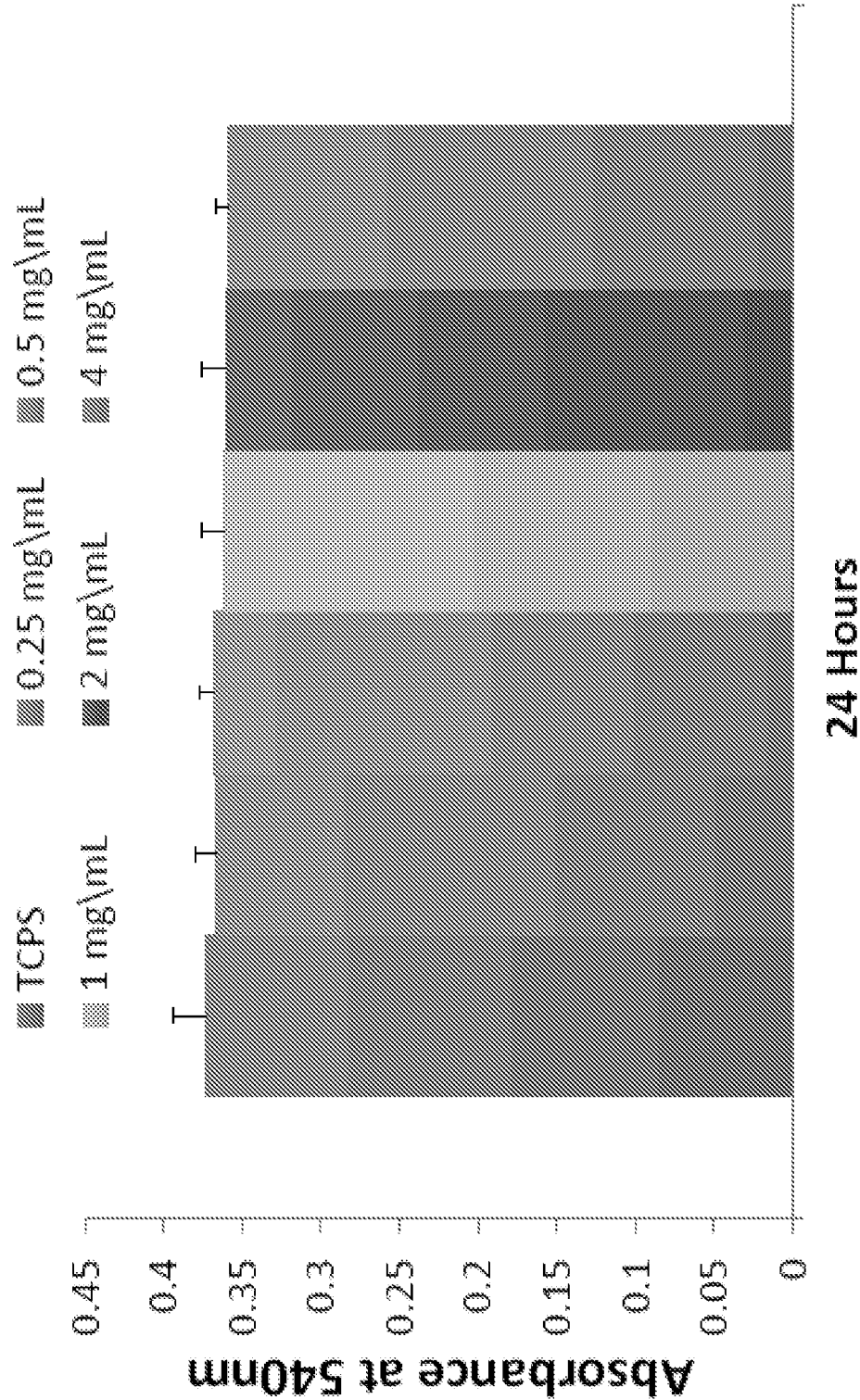


Figure 13

Live/Dead staining of HEK 293 T cells treated with IVZK peptide

control 0.25 mg/ml 0.5 mg/ml 1 mg/ml 2.5 mg/ml 4 mg/ml

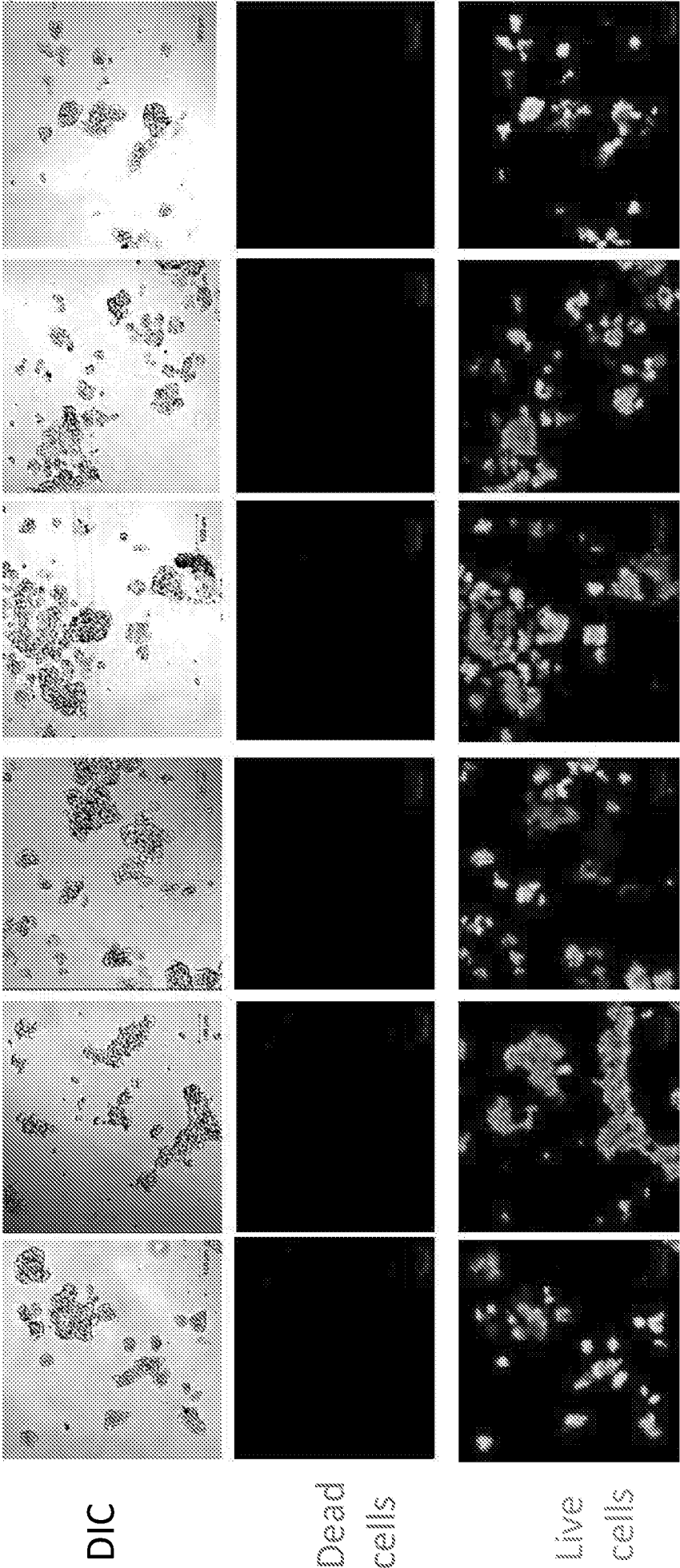


Figure 14

Live/Dead staining of HEK 293 T cells treated with IVFK peptide

control 0.25 mg/ml 2.5 mg/ml 4 mg/ml

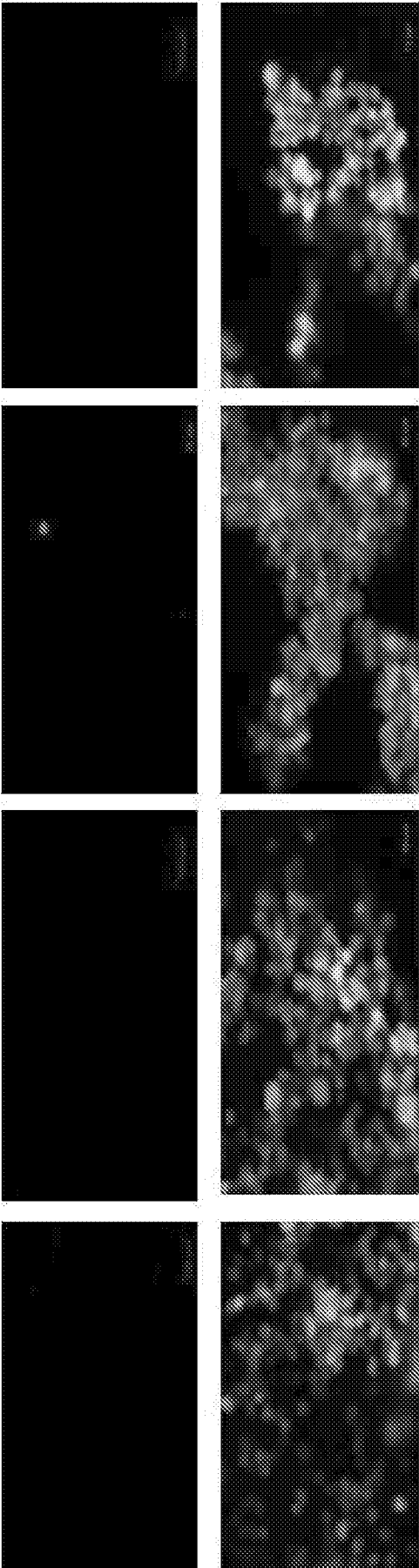
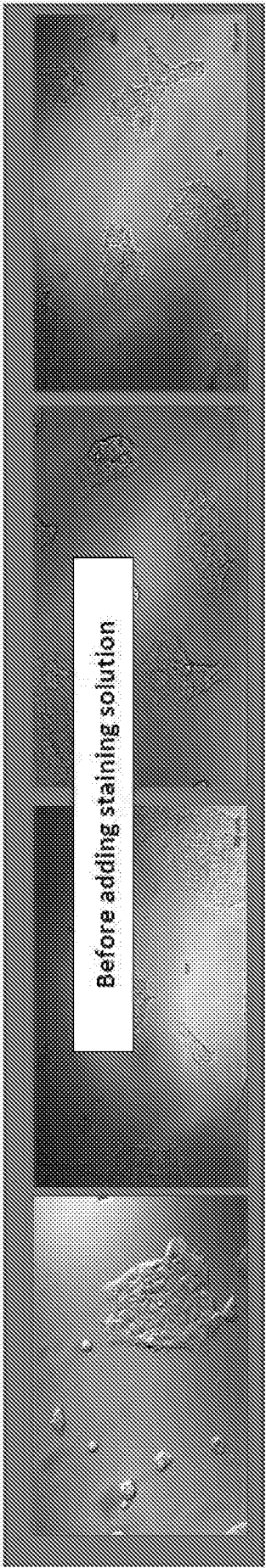


Figure 15

Peptide hydrogels cultured with myoblast cells for one week

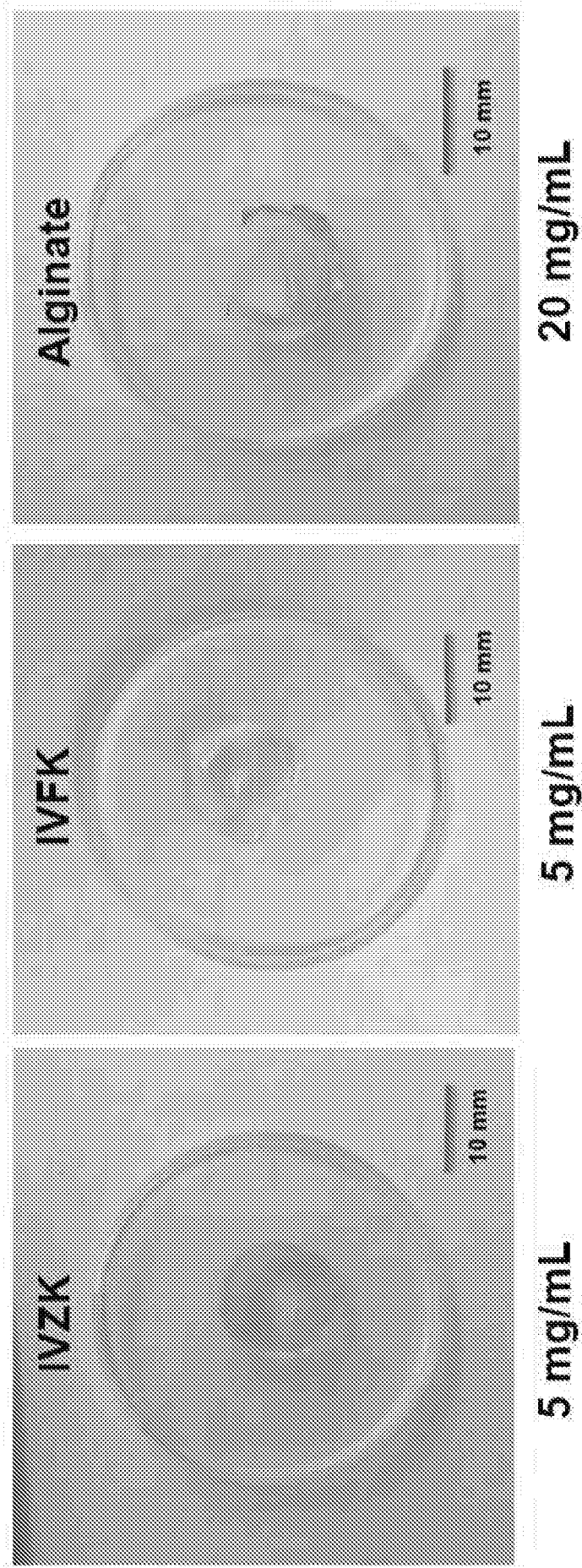


Figure 16

3D Bioprinting IVZK peptide

human dermal fibroblast cells – 4 million/ml; peptide – 10 mg/ml

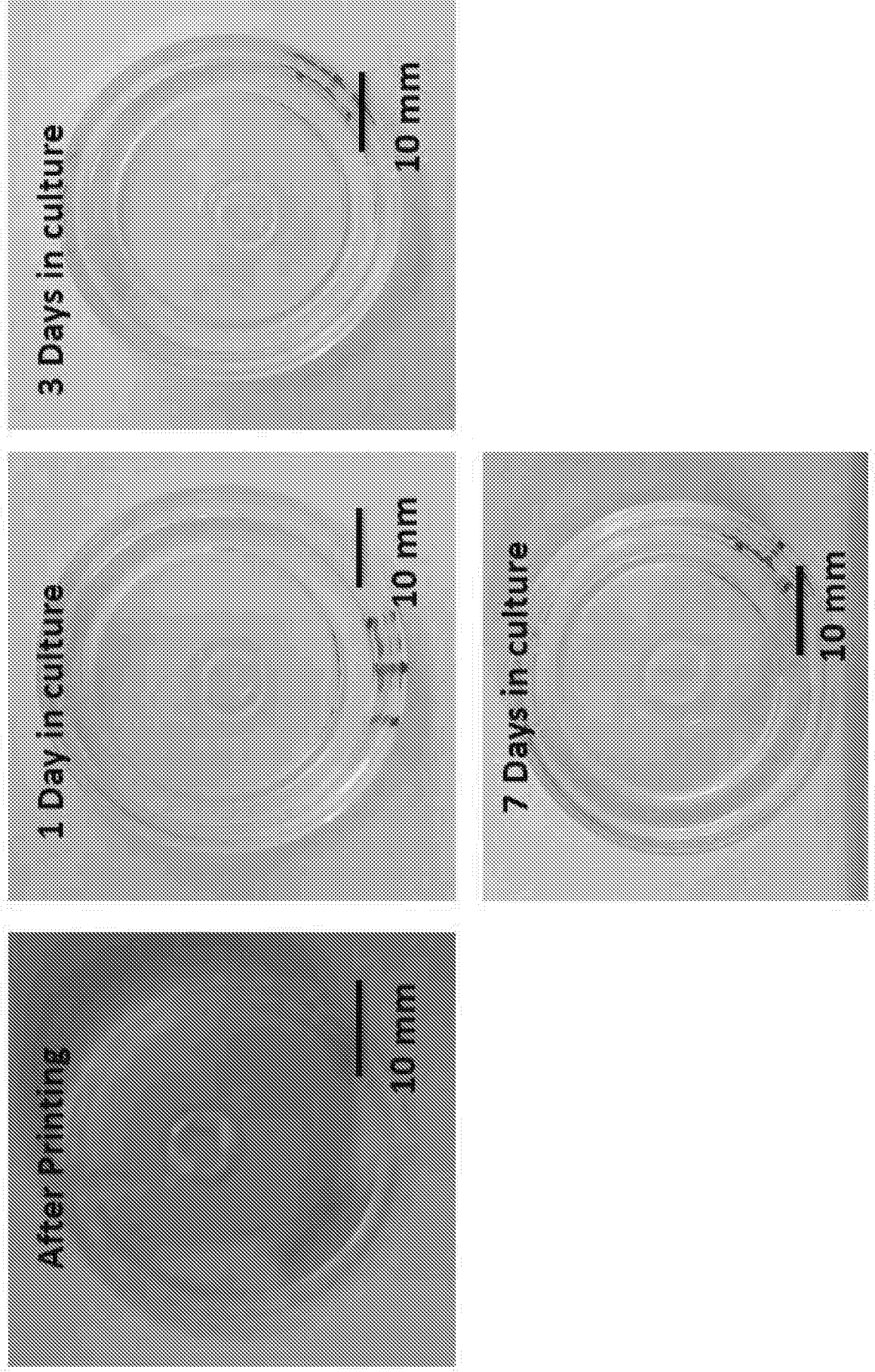


Figure 17

3D Bioprinting IVZK peptide

human dermal fibroblast cells – 4 million/ml; peptide – 10 mg/ml

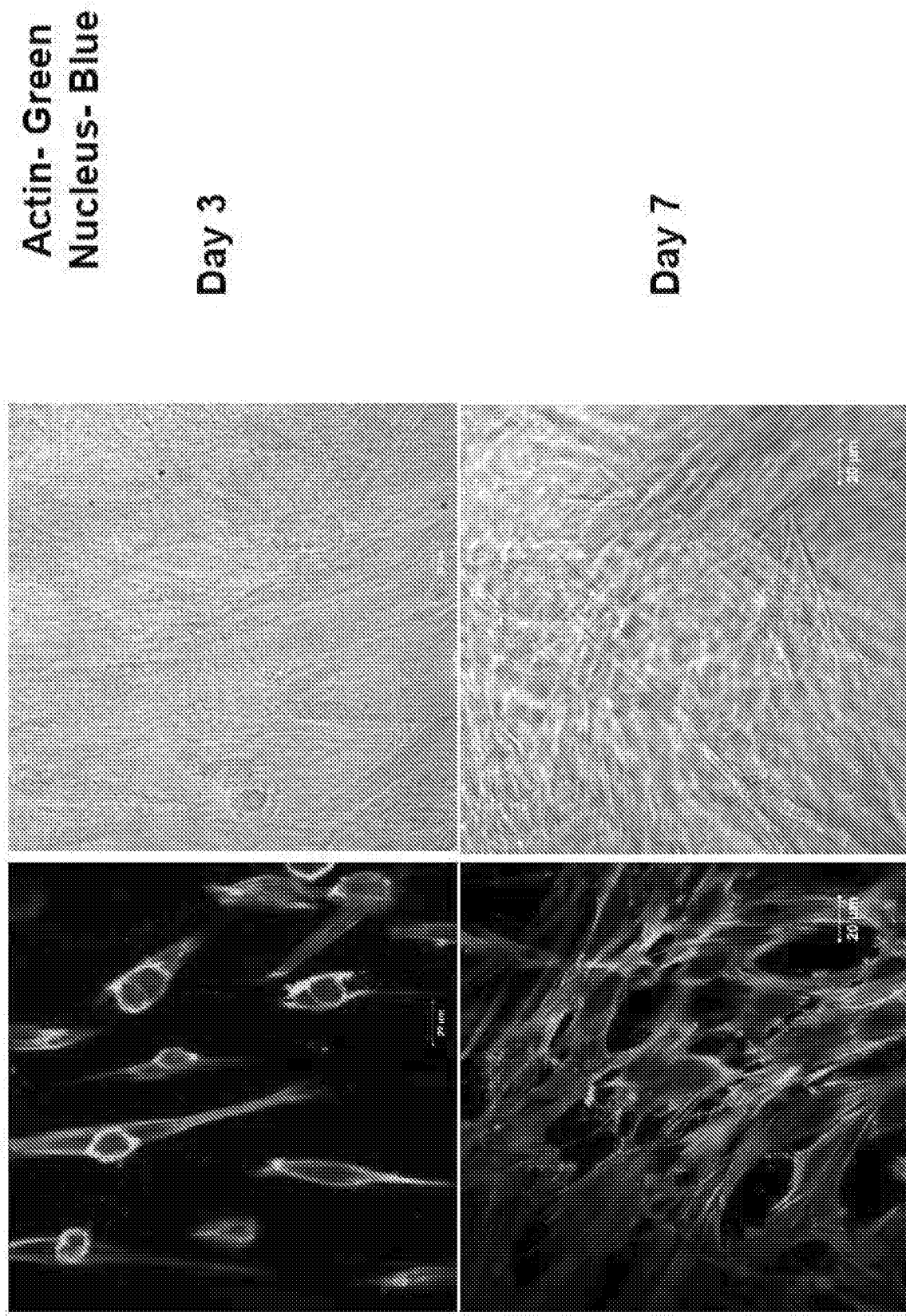


Figure 18

3D Bioprinting IVZK peptide

human dermal fibroblast cells – 4 million/ml; peptide – 10 mg/ml

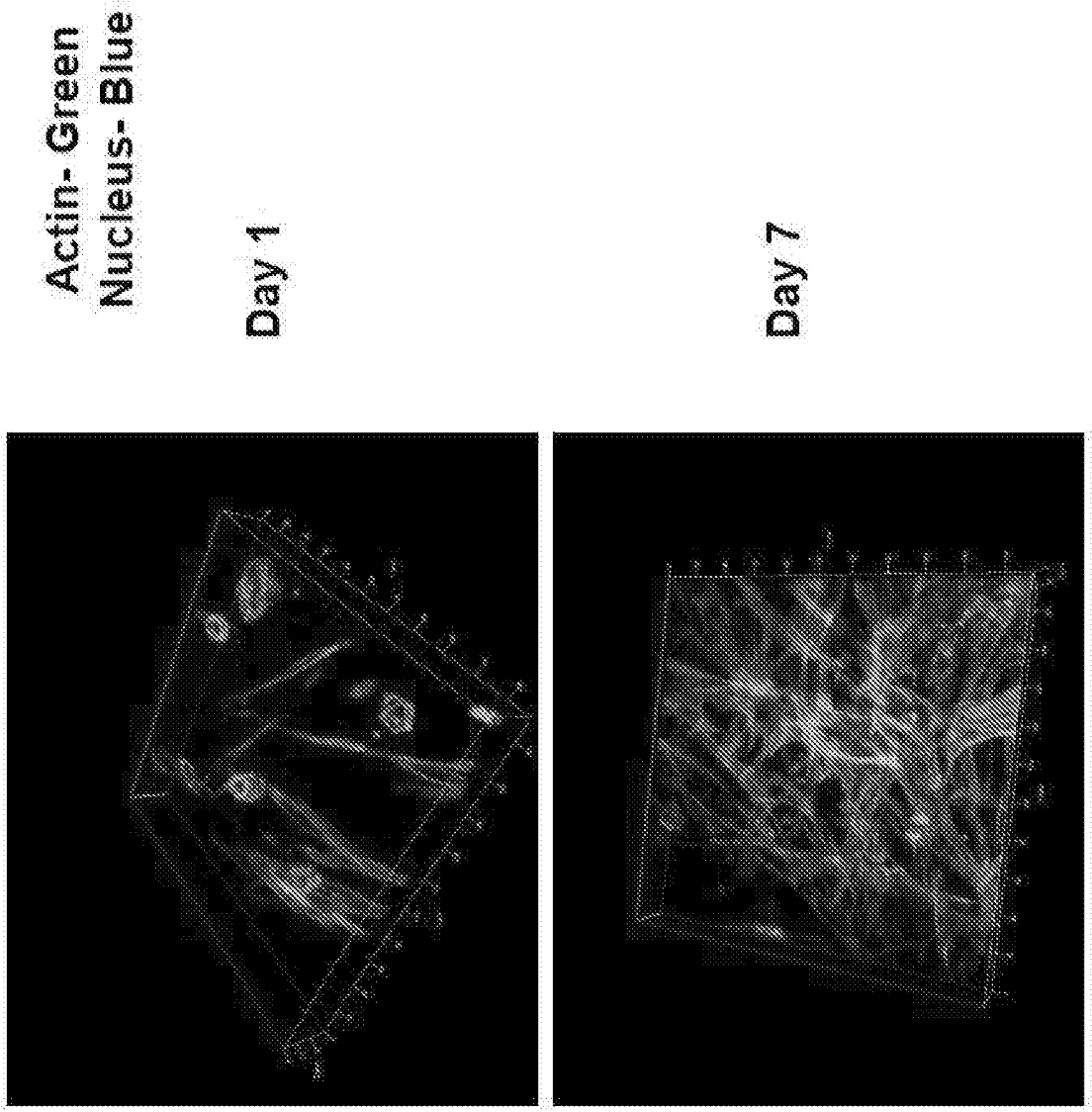
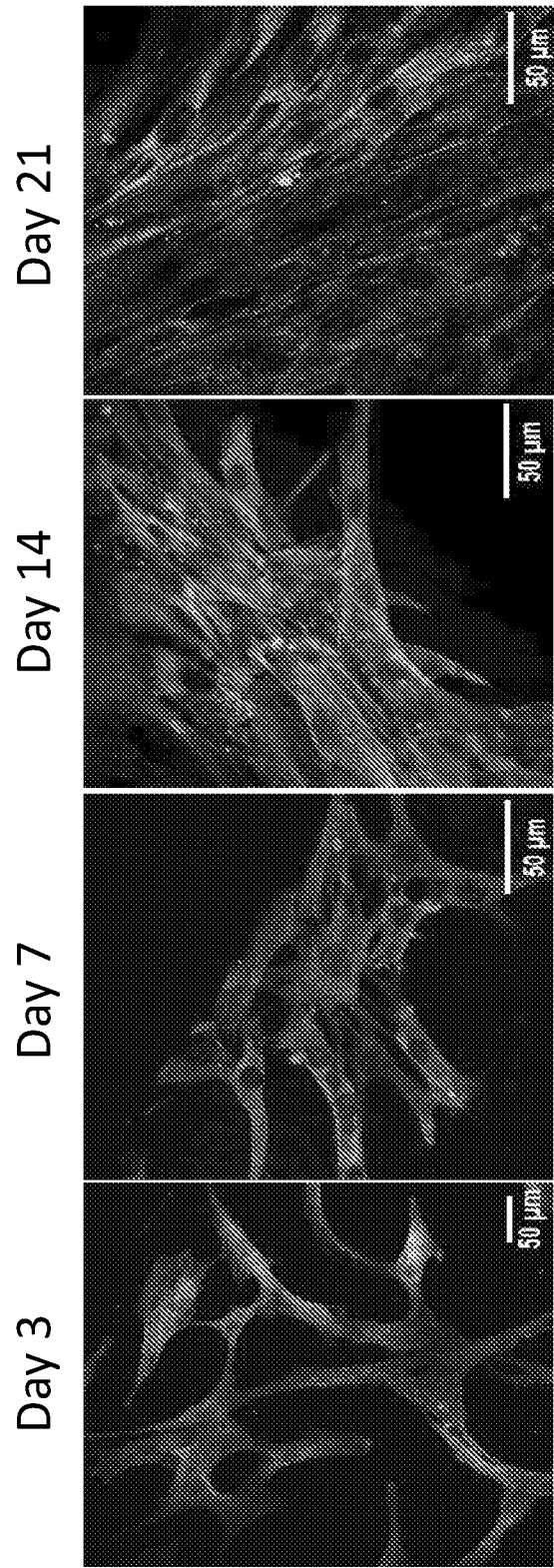


Figure 19

3D Bioprinting IVZK peptide

human bone marrow derived mesenchymal stem cells (hBMSCs)



Nucleus – blue
F-actin – red
Vinculin - green