

Collagen I A

Elastin

Gelatin-PEG

0 μm 250

0 μm 250

GPE control

0 μm 250

0 μm 250

GEP 30

0 μm 250

0 μm 250

GEP 45

0 μm 250

0 μm 250

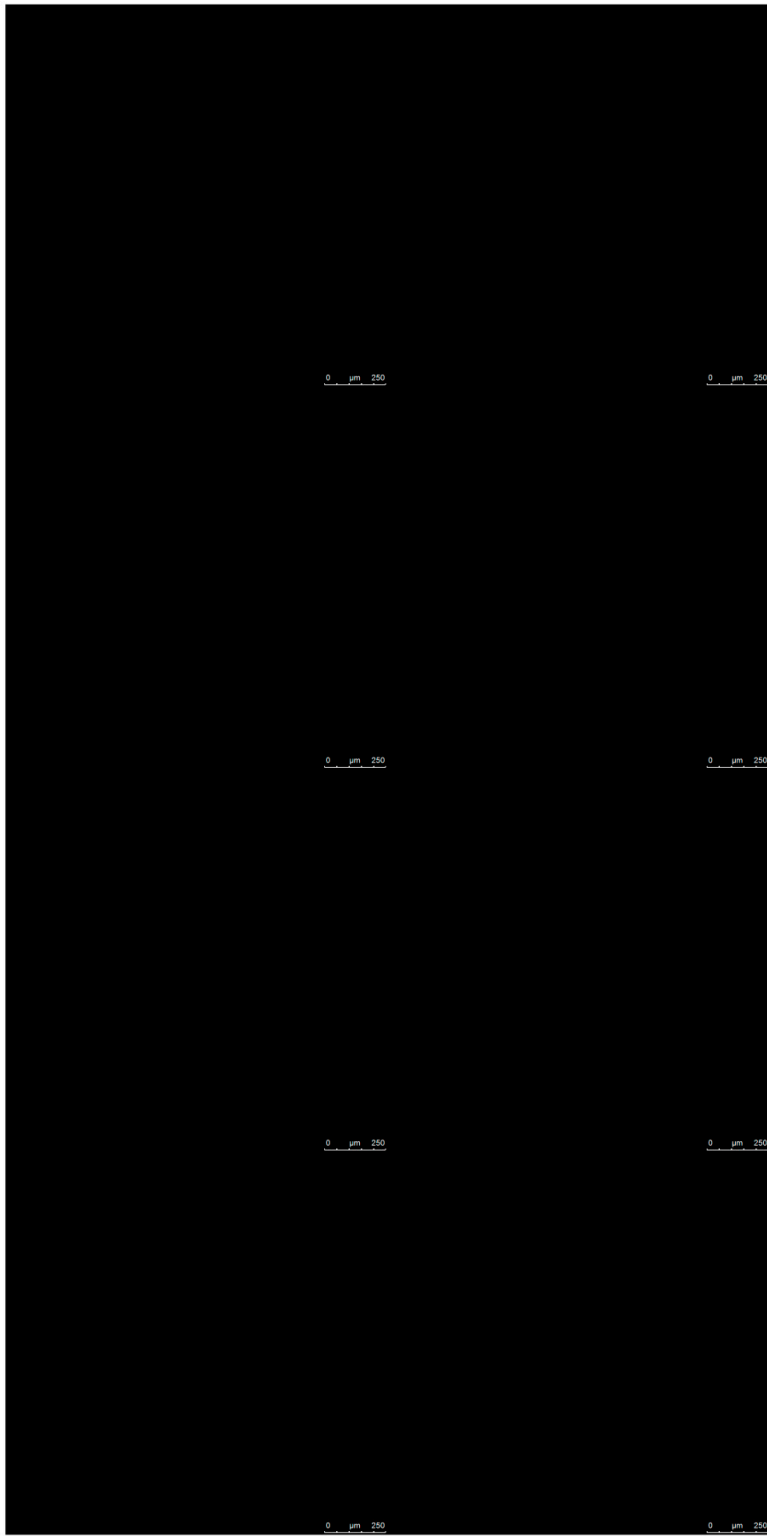


Figure S1. Immunofluorescence staining for elastin (green) and collagen type I A (yellow) in cell free GEP45, GEP30 and GPE control. Scale bar=250 μ m. Cell-free hydrogels have been stained the same as the cell encapsulated samples as negative controls. Above images proved that cell-free samples did not contribute to the staining results in Figure 7A.

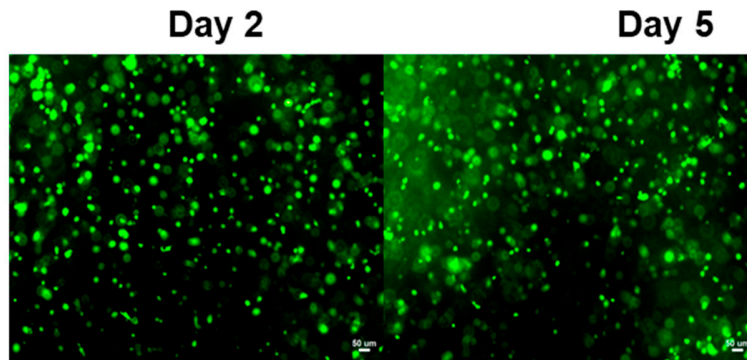


Figure S2. NHDFs were encapsulated into elastin-PEG hydrogel (no gelatin-PEG-acrylate or PEGDA). The cells were stained by Calcein AM at day 2 and day 5. Scale bar=50 μ m.