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ADVANCED HEALTHCARE MATERIALS

Supporting Information

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Microfabricated Gaps Reveal the Effect of Geometrical Control in Wound Healing

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Supporting information

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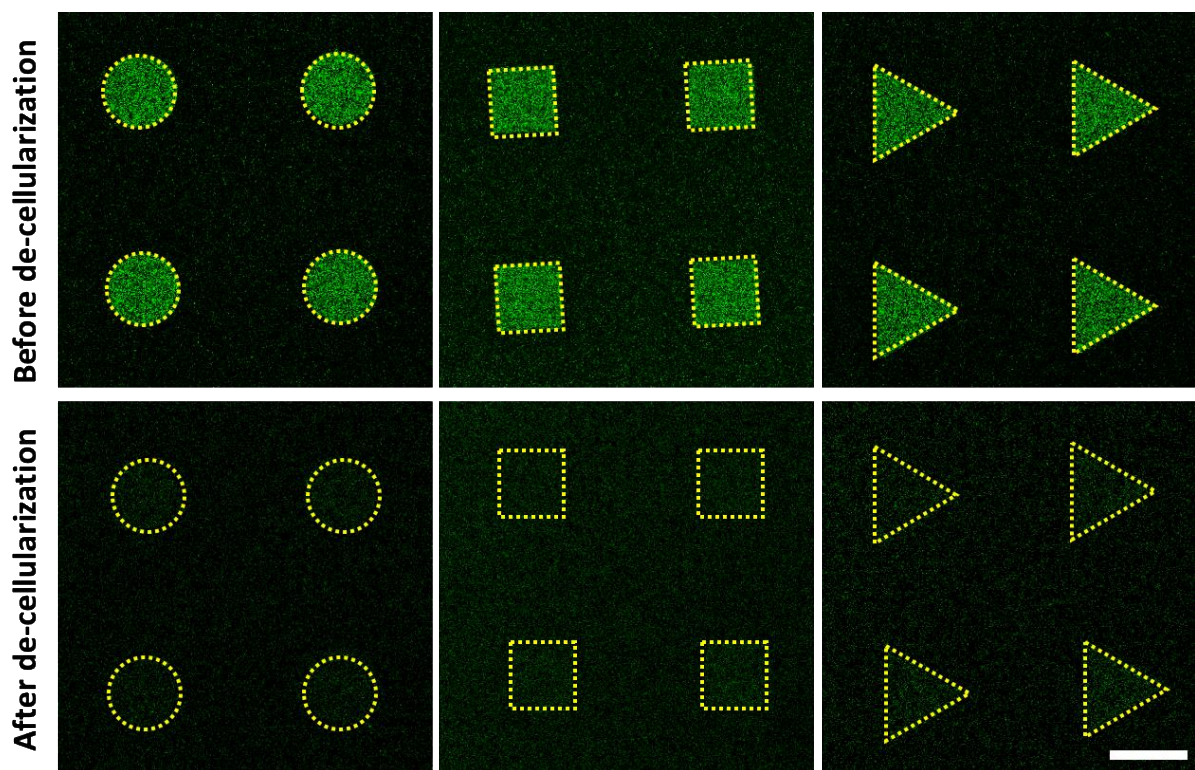
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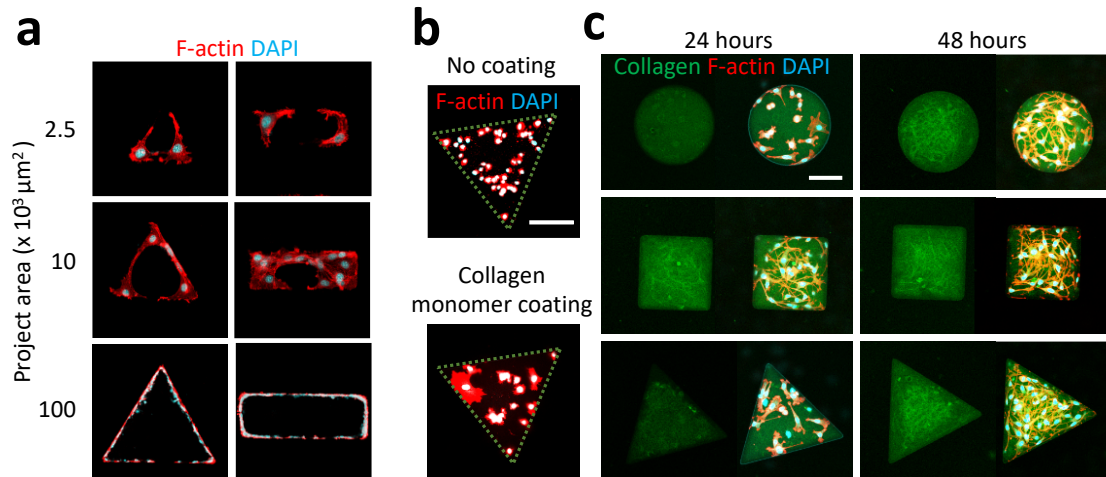
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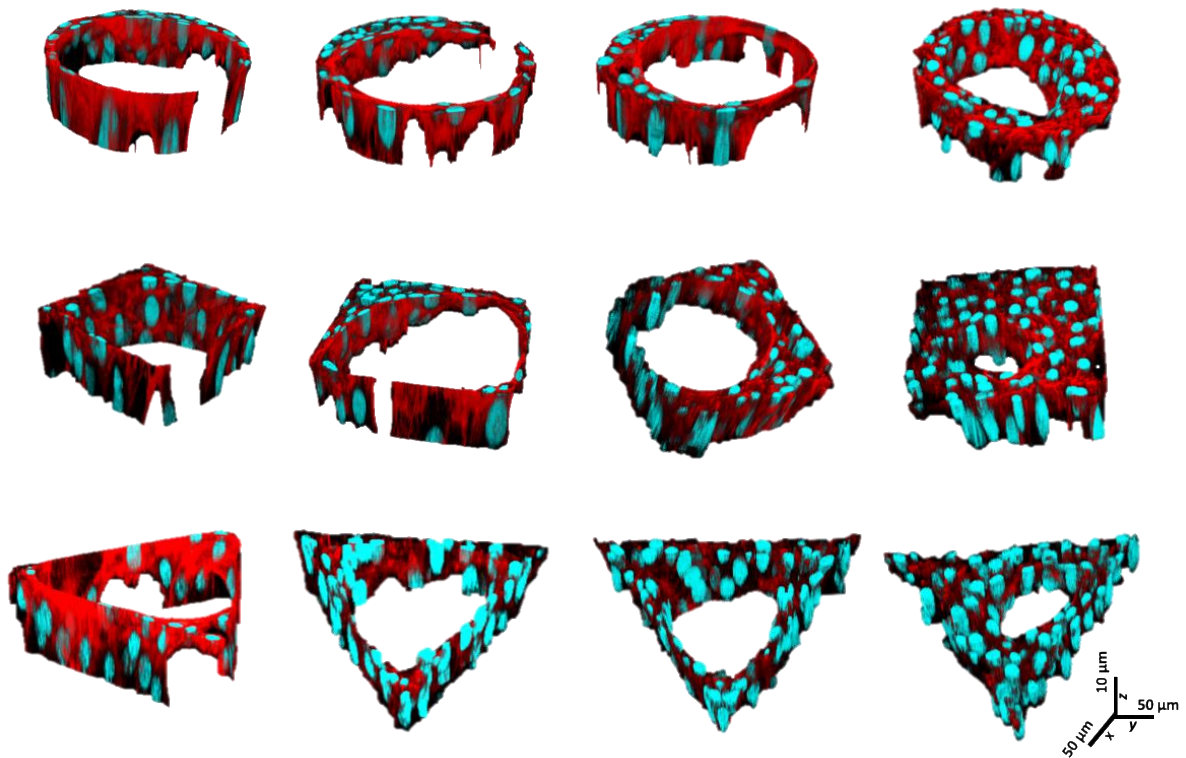
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Supporting figure 1. Immunostainings for fibronectin inside micro-containers before and after de-cellularization (treatment with EDTA and Triton-X100). Scale bar is 200 μm .



Supporting figure 2. (a) Immunofluorescent staining of F-actin and DAPI for fibroblasts cultured in 3D microwells with different sizes after removal of SMCs. (b) Immunofluorescent staining of F-actin and DAPI for fibroblasts cultured in 3D microwells without coatings or coated with collagen monomer. (c) Immunofluorescent staining of F-actin, DAPI and collagen for fibroblasts in 3D microwells filled with collagen hydrogel. Scale bar is 100 μm .



Supporting figure 3. Representative 3D images show F-actin (red) and DAPI (blue) staining for fibroblasts during gap closure at different time points.