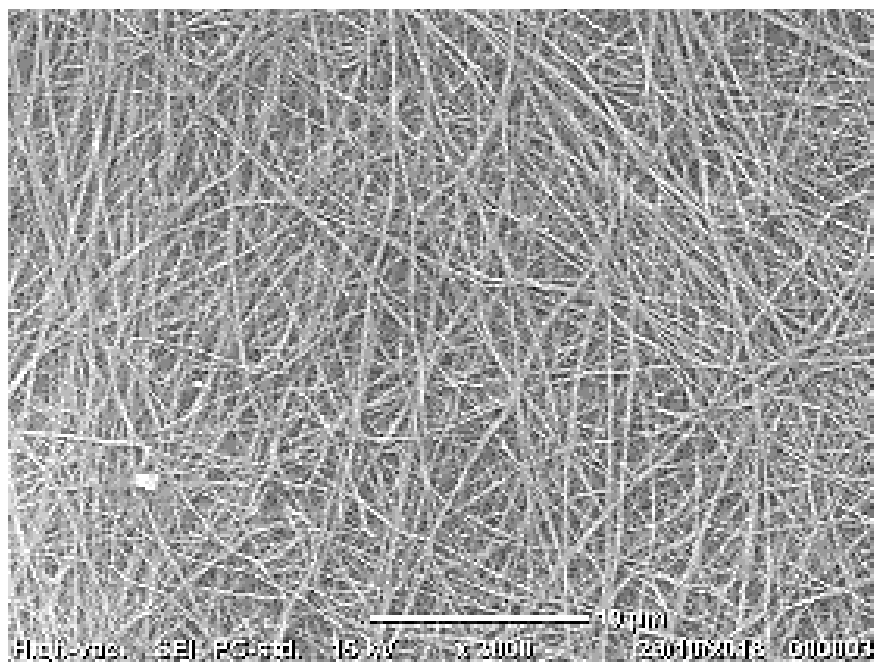
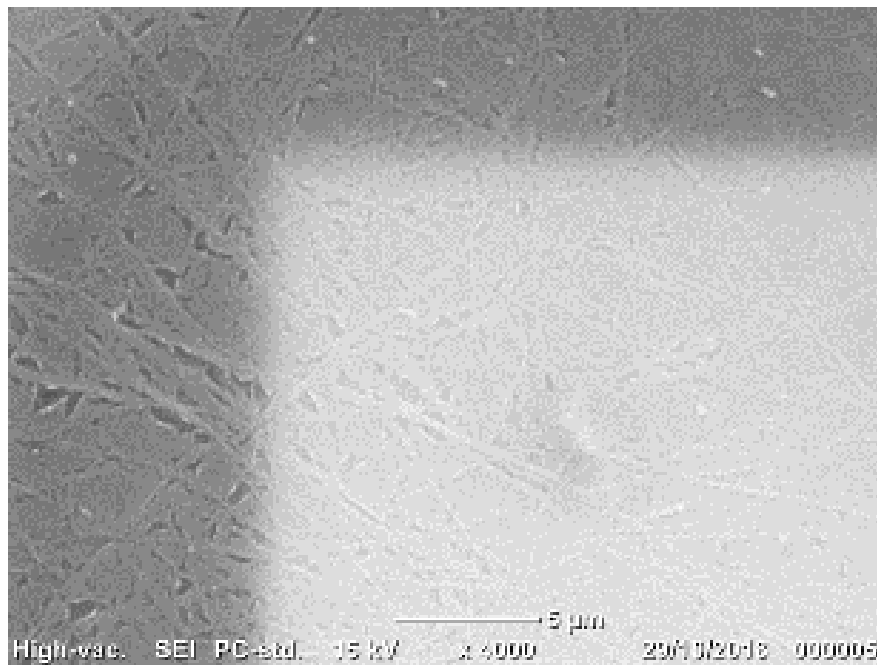


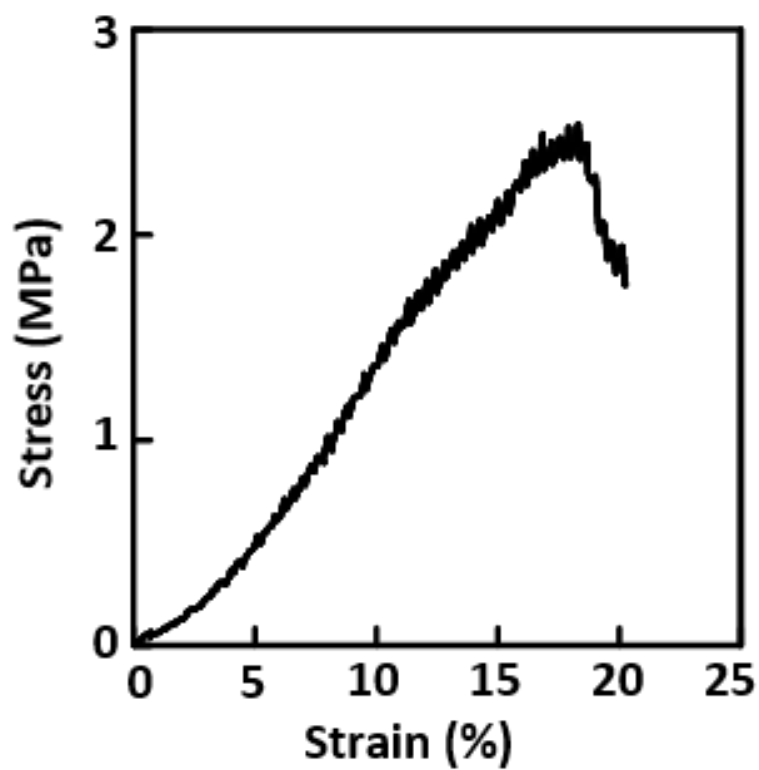
Supplementary figure 1. Macro image of the freestanding device embedded within the thermoresponsive omentum hydrogel.



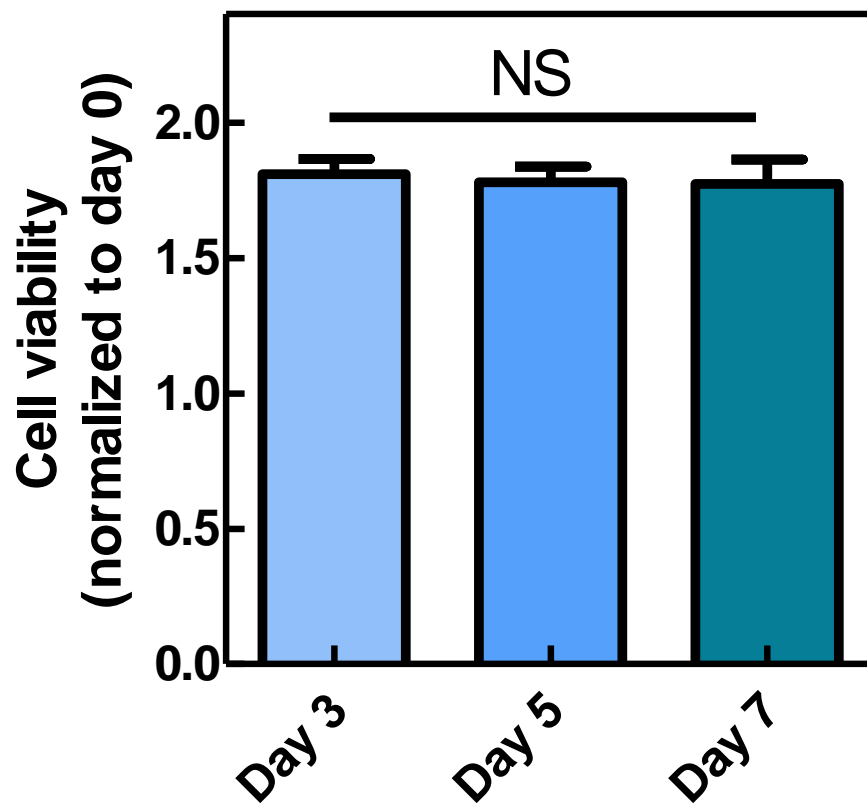
Supplementary figure 2. Scanning electron micrograph of the collagenous fibers composing the thermoresponsive hydrogel in figure S1.



Supplementary figure 3. Scanning electron micrograph showing a large drug release electrode embedded within the thermoresponsive hydrogel.



Supplementary figure 4. Stress-strain curve of the device embedded within a freeze-dried thermoresponsive hydrogel.



Supplementary figure 5. Cell viability as determined by a Prestoblu[®] metabolic activity assay. NS, not significant. Error bars represent the standard deviation. (n=10)