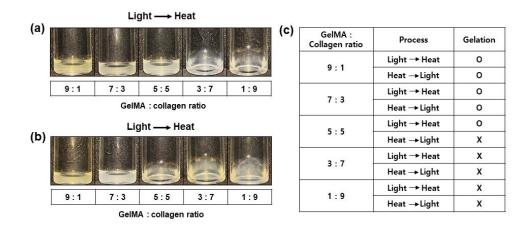
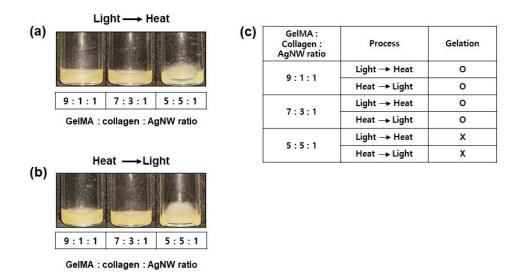




## **Supporting Information**



**Figure S1.** Analysis of the gelation of the hydrogel with respect to the GelMA/collagen ratio. Images of gelation of the hydrogel by applying an UV light after the heat (**a**). Images of the gelation of the hydrogel by applying heat after UV light (**b**). Table of the gelation of the hydrogel (**c**).



**Figure S2.** Analysis of the gelation of the hydrogel with respect to the GelMA/collagen/AgNW ratio. Images of the gelation of the hydrogel by applying an UV light after the heat (**a**). Images of the gelation of the hydrogel by applying heat after the UV light (**b**). Table of the gelation of the hydrogel (**c**).