

Supplementary Material

Supplementary Figures

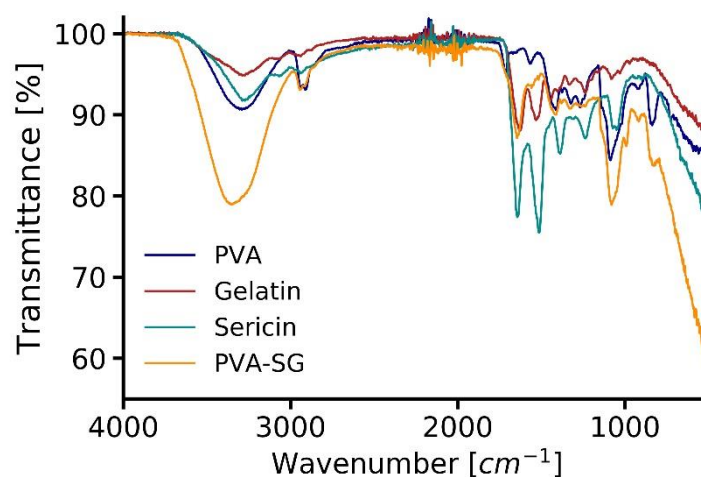


Figure S1. FTIR measurements of pure PVA, pure gelatin, and pure sericin before crosslinking and FTIR measurement of PVA-SG hydrogels after photopolymerization.

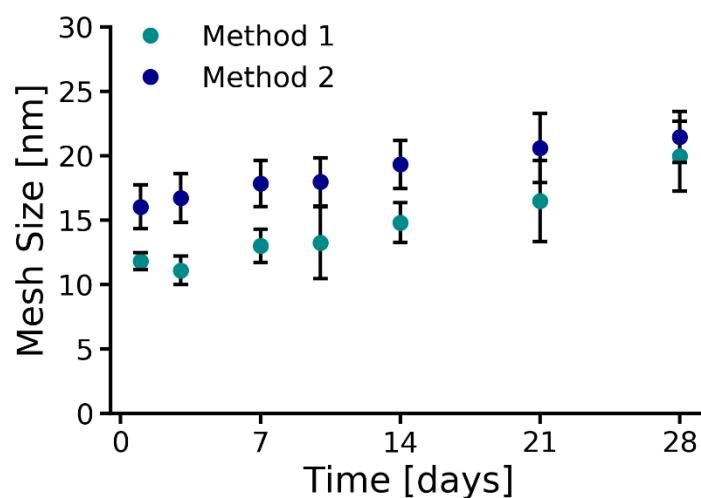


Figure S2. Calculation of the hydrogel mesh size with the two different methods.

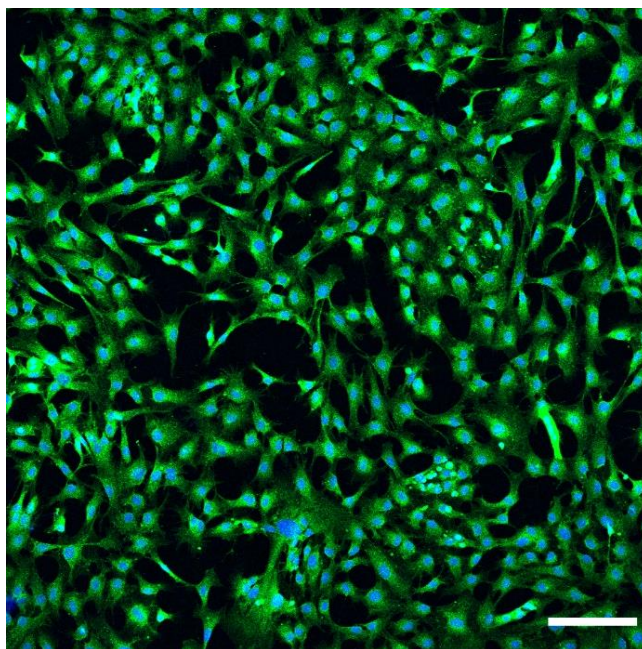


Figure S3. Confocal image of primary astrocytes shown in green (GFAP) as result of the purity of the culture. Scale bar = 150 μm .

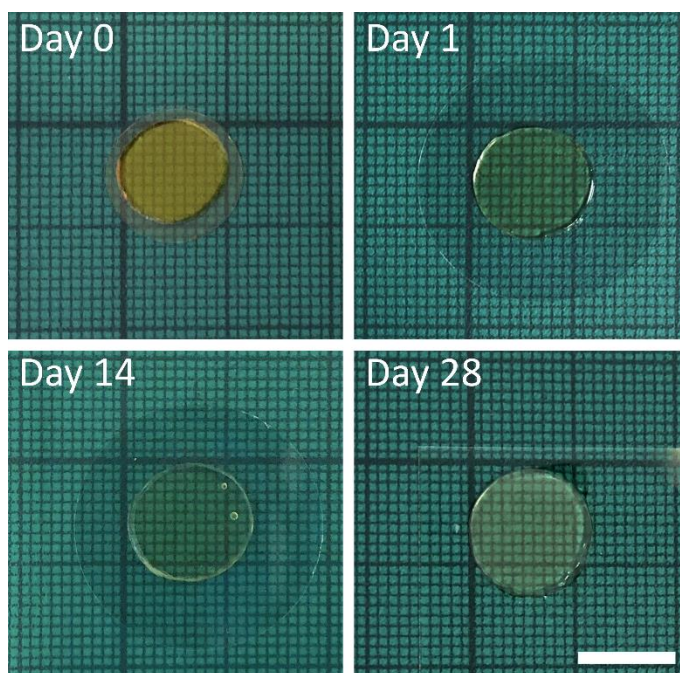


Figure S4. Representative images of 10 wt % PVA-SG hydrogels at different time points: right after photopolymerization (Day 0), and 1, 14, and 28 days after incubation in DPBS at 37°C.

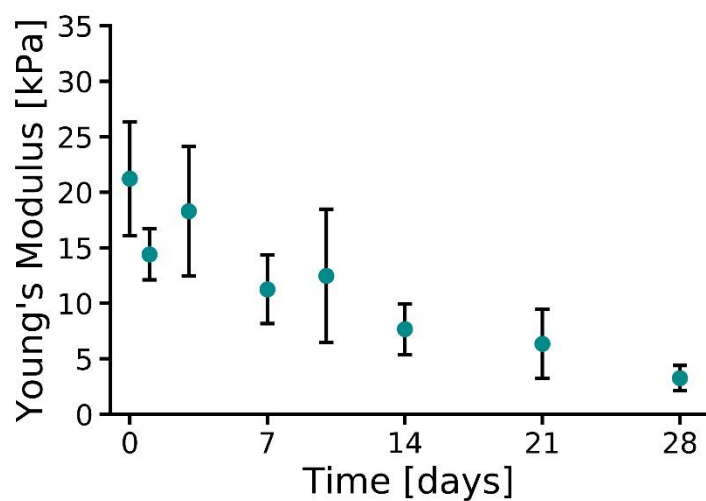


Figure S5. Young's moduli of PVA-SG hydrogels obtained with bulk compression measurements showing a decrease over time. N = 3.

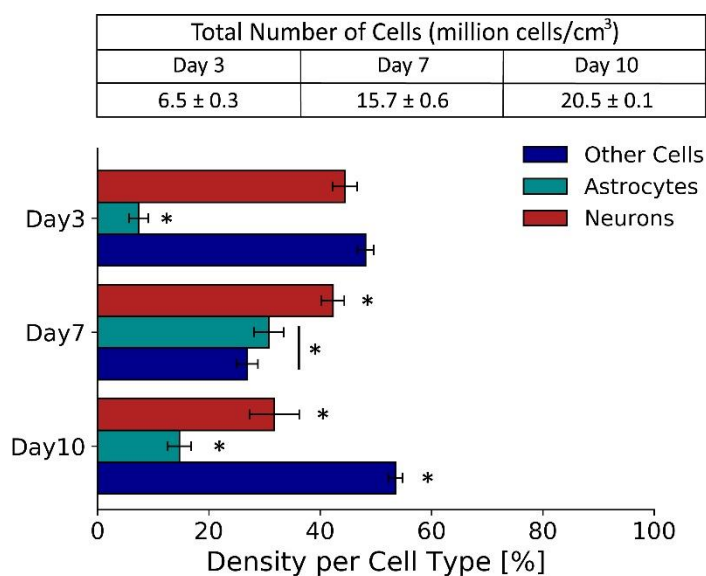


Figure S6. Cytocompatibility of ventral mesencephalic (VM) mixed cell population in 10 wt % PVA-SG hydrogels.