

Polyethylene Glycol-Gelatin Hydrogels with Tuneable Stiffness Prepared by Horseradish Peroxidase-Activated Tetrazine-Norbornene Ligation

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Supporting Information

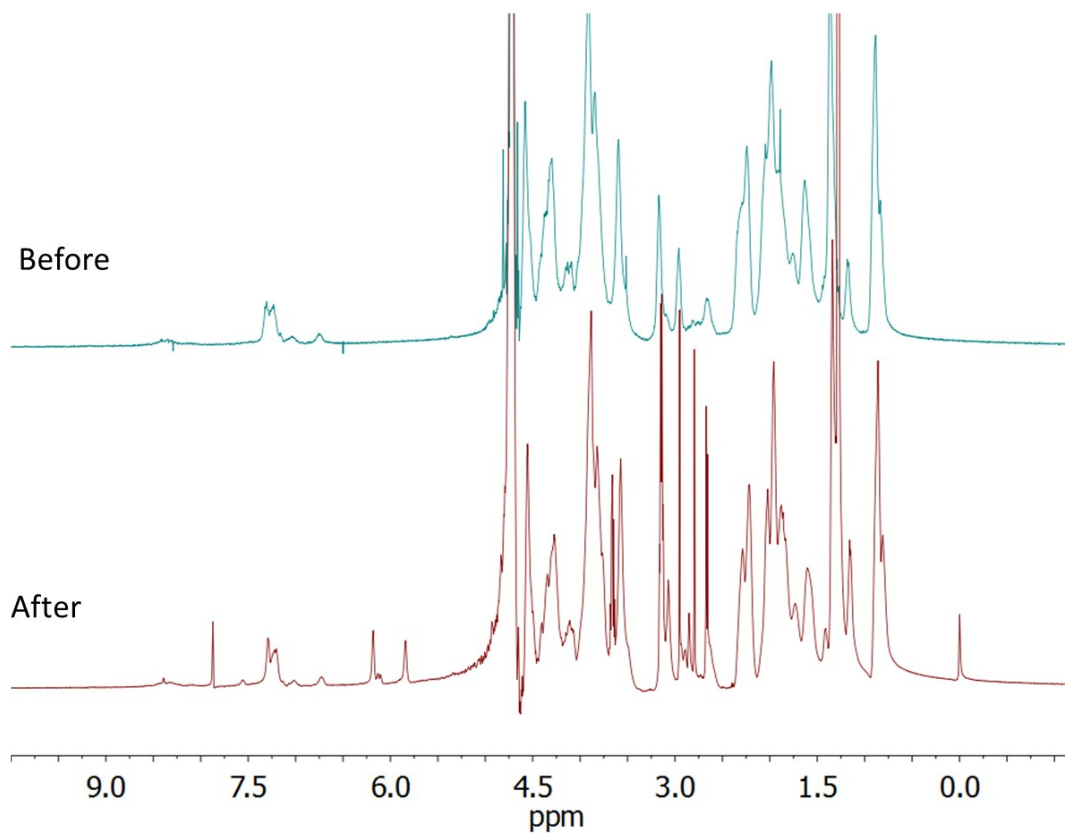


Figure S1. ^1H NMR of gelatin and gelatin norbornene

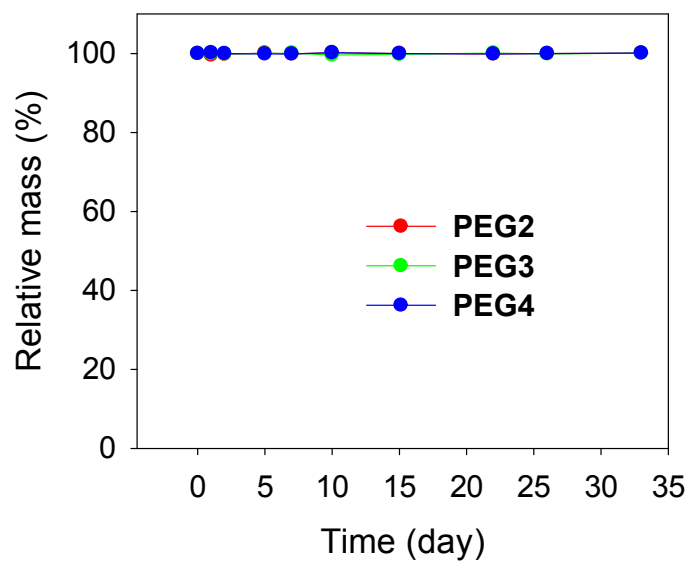


Figure S2. Degradation profiles of hydrogels as a function of relative weight of fully swollen gels in PBS pH 7.4, at 37 °C and without collagenase.

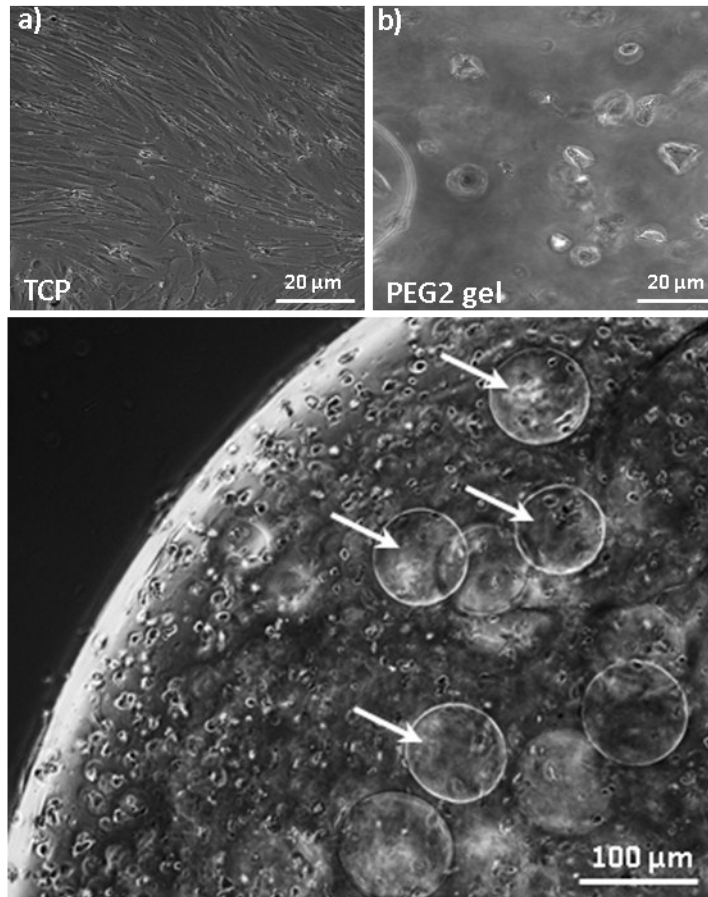
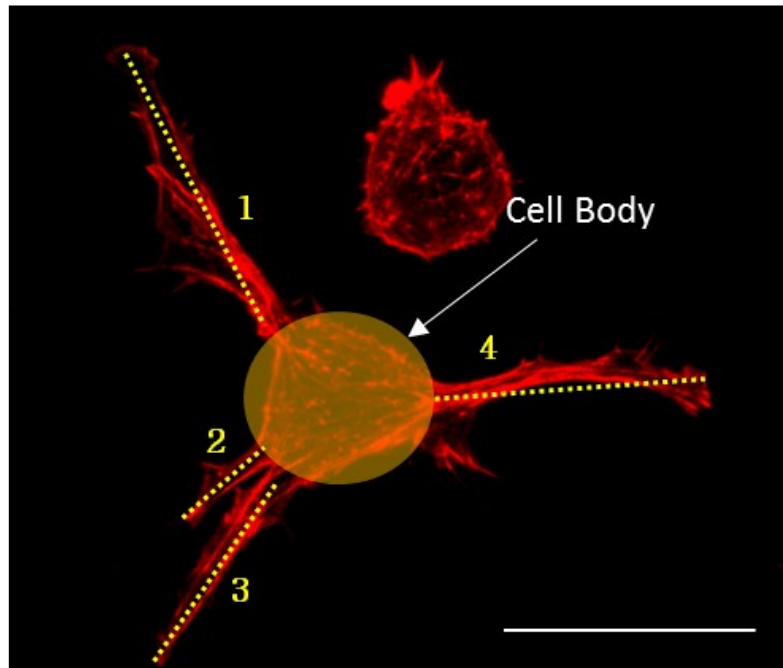


Figure S3 a) Phase contrast images of hMSCs cultured on TCP (b) or within PEG-gelatin hydrogels following 24 h culture; c) low magnification phase contrast image of PEG-gelatin hydrogels seeded at 2.5 million cells per mL, small bubbles (areas indicated by white arrows) are from nitrogen gas released from Tz-Nb ligation.



Cell projections were assessed if their length exceeded 50% of the length of the main body of the cell.

Figure S4 Immunofluorescence image highlighting image analysis criteria for defining cell projections.