

Supporting Information

IDG-SW3 osteocyte differentiation and bone extracellular matrix deposition are enhanced in a 3D MMP-sensitive hydrogel

Aaron H. Aziz,^{1,2,§} Rachel L. Wilmoth,^{3,§} Virginia L. Ferguson,^{2,3,4} Stephanie J. Bryant^{1,2,4*}

¹Department of Chemical and Biological Engineering, University of Colorado, Boulder, CO USA

²BioFrontiers Institute, University of Colorado, Boulder, CO 80309 USA

³Department of Mechanical Engineering, University of Colorado, Boulder, CO 80309 USA

⁴Material Science and Engineering, University of Colorado, Boulder, CO 80309 USA

*Email: sbryant@colorado.edu

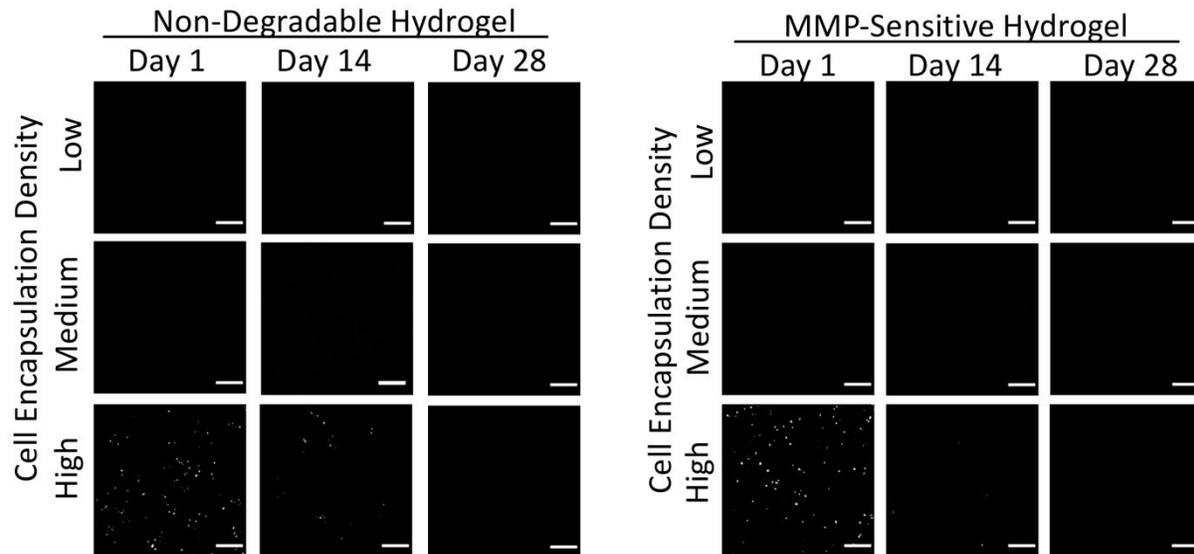


Figure S1. Confocal images depicting dead cells stained by ethidium homodimer for IDG-SW3 cells at days 1, 14 and 28 in osteogenic differentiation media encapsulated at low, medium, and high cell seeding densities in MMP-sensitive and non-degradable PEG hydrogels. The fluorescent red stain was converted to white color to enable visualization of the dead cells. Scale bar is 150 μm .