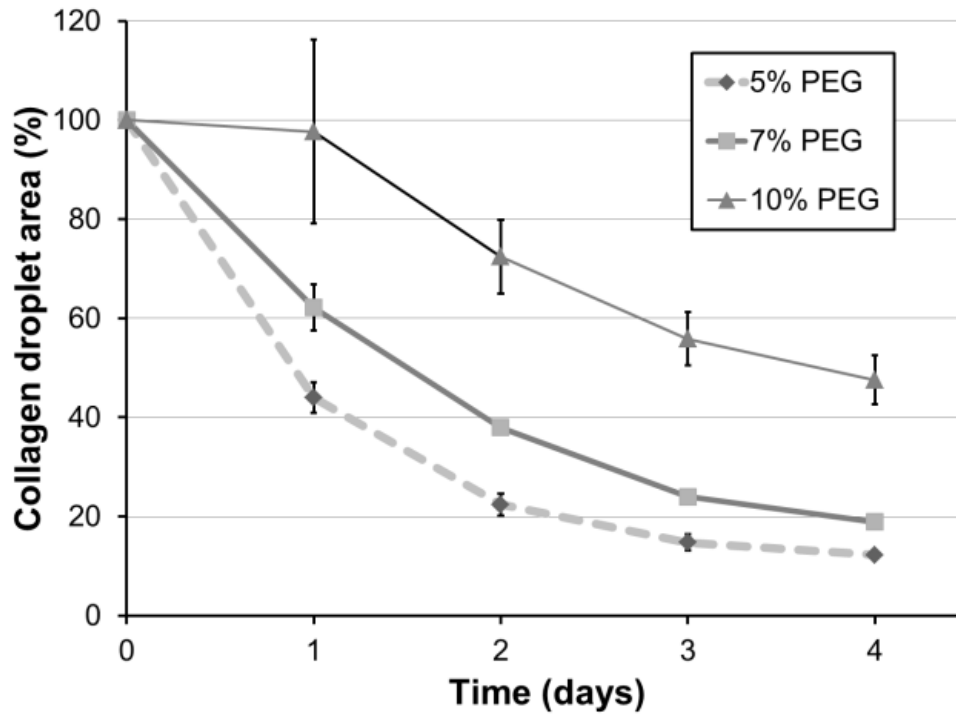


## Supplementary Data



**Figure S1.** To characterize any potential effects of maintaining cells within an ATPS system, collagen microgels were maintained in PEG-enriched media of different concentrations over several days, without a washing step following polymerization. Interestingly, greater PEG concentrations resulted in reduced levels of contraction, suggesting that PEG interferes with the contraction process, either via a cell-mediated mechanism, or by mechanical augmentation of the contracting collagen matrix.