Supplementary Information

Establishing of cell-affinitive interface and spreading space in 3D hydrogel by introduction of microcarriers and enzyme

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Table 1 Primers sequences for target genes:

Symbol	Primers
GAPDH	**5'-GCCAAGGCTGTGGGCAAGGT-3'**
	5'-AGGTGGAGGAGTGGGTGTCG-3'
Core binding factor α1	**5'-CTCTACTATGGCACTTCGTCAG-3'**
	5'-GCTTCCATCAGCGTCAACAC-3'
Bone morphogenetic protein-2	**5'-TTACTGCCACGGAGAATGCC-3'**
	5'-CCCACAACCCTCCACAACCA-3'
Osteocalcin	**5'-GAGGGCAGCGAGGTAGTGAA-3'**
	5'-CCTCCTGAAAGCCGATGTGGT-3'
Collagen type Ⅰ	**5'-CACACGTCTCGGTCATGGTA-3'**
	5'AAGAGGAAGGCCAAGTCGAG3'

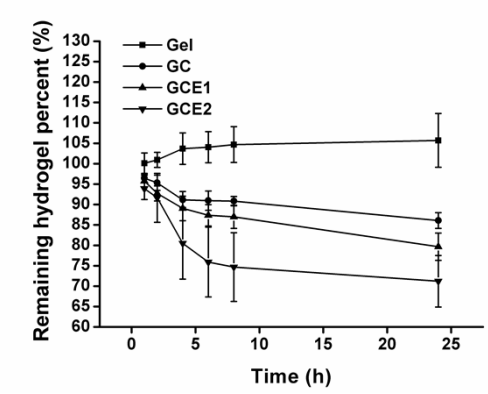

Fig. S1 The degradation property of hydrogels as a function of incubation time in PBS at pH 7.4 and 37°C. Data are presented as mean ± standard deviation (n=3).

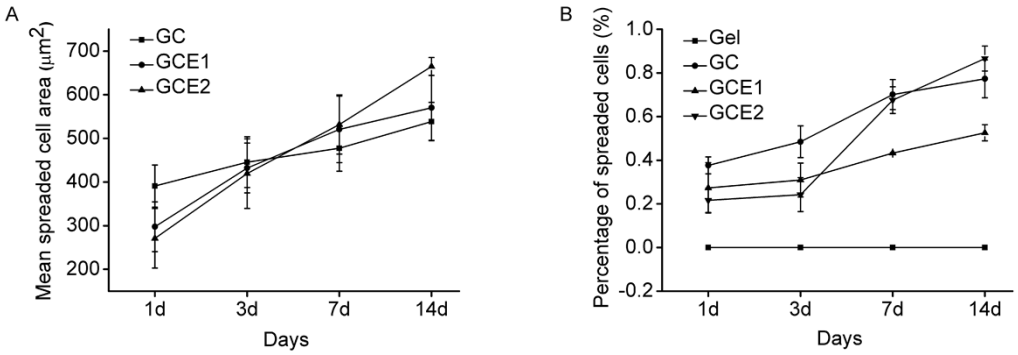

Fig. S2 Quantification of area and percentage of spread cells in various hydrogels.