Dual-enzymatically crosslinked and injectable hyaluronic acid hydrogels for potential application in tissue engineering

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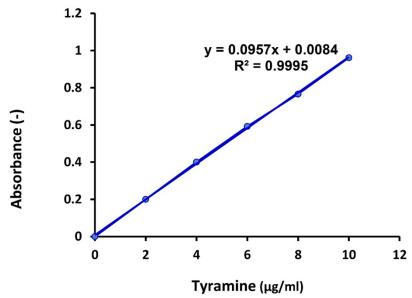


Figure S1 Standard curve of tyramine based on the absorbance of 275 nm using a UV-Vis spectrophotometer.

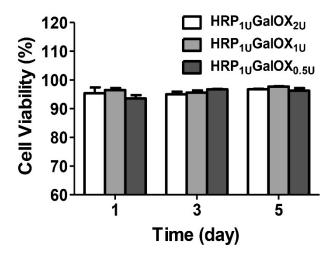


Figure S2 Cellular viability of BMSC encapsulated within 1% HT hydrogels of $HRP_{1U}GalOX_{0.5U}$, $HRP_{1U}GalOX_{1U}$ and $HRP_{1U}GalOX_{2U}$ on day 1, day 3 and day 5. (Mean \pm SD, n=3)

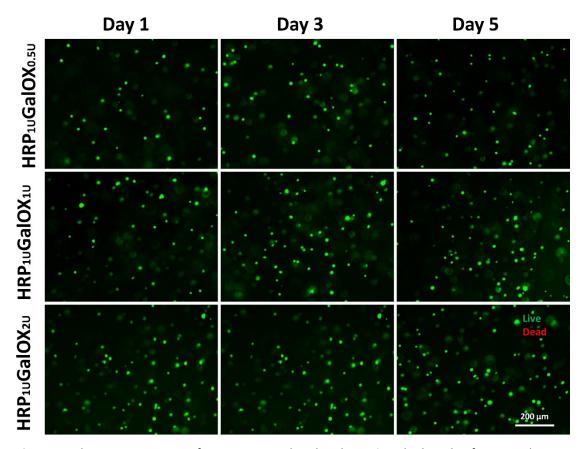


Figure S3 Fluorescent images of BMSC encapsulated within 1% HT hydrogels of $HRP_{1U}GalOX_{0.5U}$, $HRP_{1U}GalOX_{1U}$ and $HRP_{1U}GalOX_{2U}$ on day 1, day 3 and day 5. Green labels the living cells and red labels the dead cells. Scale bar is 200 μ m.

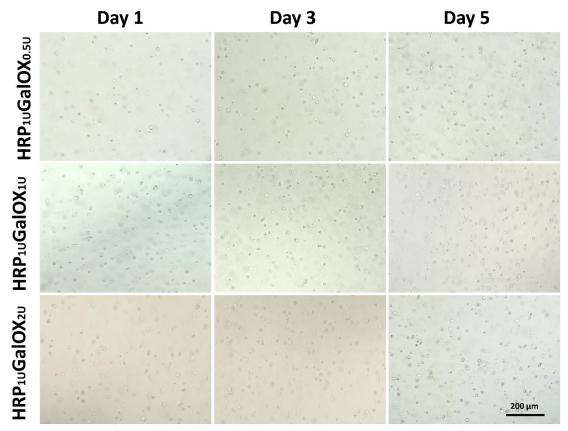


Figure S4 Bright fields of BMSC encapsulated within 1% HT hydrogels of $HRP_{1U}GalOX_{0.5U}$, $HRP_{1U}GalOX_{1U}$ and $HRP_{1U}GalOX_{2U}$ on day 1, day 3 and day 5. Scale bar is 200 μ m.