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MATERIALS**

Supporting Information

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Controlled Growth Factor Release in 3D-Printed Hydrogels

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**Supplementary Figure 1.** Synthesis and characterization of Hep-SH containing hydrogel. (A) Chemical synthesis process, (B) FT-IR showing thiolation of heparin at  $1600\text{ cm}^{-1}$  absorption and reduction of acrylate group at  $900\text{ cm}^{-1}$  after photopolymerization, (C)  $^1\text{H}$  NMR showing thiol substitution at  $\delta$  2.6 and  $\delta$  2.85 ppm in Hep-SH.

