Supporting information

An injectable thermosensitive hydrogel loaded with an ancient natural drug colchicine for myocardial repair after infarction

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Fig. S1 A) The sketch of Transwell chambers and cell culture plates. B) The diagram of *in vitro* cytotoxicity assay which is measured with a CCK-8 assay. C) The diagram of *in vitro* cell migration assay which is measured by a Transwell assay.
**Fig. S2** Electrocardiogram changes pre and post-MI. A: Electrocardiogram pre-ligation of LAD of mouse, B: Electrocardiogram post-ligation of LAD of mouse.
Fig. S3 $^1$H-NMR spectrum of as-synthesized PLGA-PEG-PLGA triblock copolymer.
**Fig. S4** Phase diagram of PLGA-PEG-PLGA aqueous solution.