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Heparin-based temperature-sensitive injectable hydrogels for protein delivery

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Table S1. Physicochemical characteristics of PCLA copolymers.

Entry	PEG	Feed ratio		Obtained ratio ^a		Note ^b
		Copolymer structure	CL/LA	Copolymer structure	CL/LA	
1	1620	2000-1620-2000	2.5	1728-1620-1728	3.1	Good gel ^c
2	1620	2500-1620-2500	2.5	2216-1620-2216	3.1	Hydrophobic
3	1750	2000-1750-2000	2.5	1975-1750-1975	3.2	Good gel
4	1750	2500-1750-2500	2.5	2275-1750-2275	2.8	Hydrophobic
5	1750	2500-1750-2500	3	2326-1750-2326	3	Hydrophobic
6	2050	2000-2050-2000	2.5	1835-2050-1835	2.2	Rapid degradation
7	2050	1835-2050-1835	2.5	2358-2050-2358	2.3	Hydrophobic
8	2050	3000-2050-3000	2.5	2764-2050-2764	3.1	Good gel
9	2050	3000-2050-3000	3	2685-2050-2685	3.6	Hydrophobic
10	3350	3850-3350-3850	2.5	3514-3350-3513	2.8	Good gel
11	3350	4000-3350-4000	2.5	3543-3350-3543	3.6	Cannot form gel
12	4000	5300-4600-5300	2.5	5107-4600-5107	2.7	Cannot form gel

^aNumber-average molecular weight calculated using ¹H NMR.

^bSol-gel properties of PCLA copolymers observed at 37 °C.

^cFor chemical conjugation, entry no.1 was used.

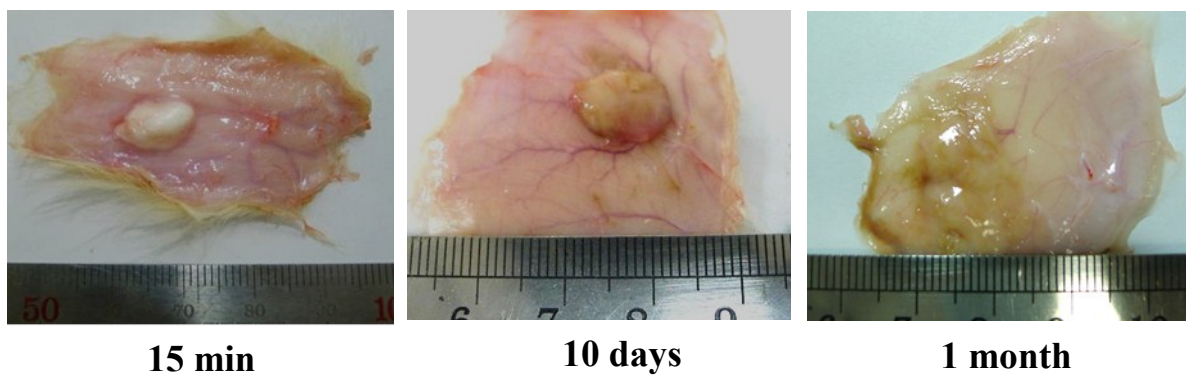


Fig. S1. *In vivo* gelation and stability of PCLA+Hep-PCLA2 mixture hydrogel (27.5 wt%).