

Electronic Supplementary Information

Biocompatible and Biodegradable Polymersomes for pH-triggered release of Anti-cancer Drug

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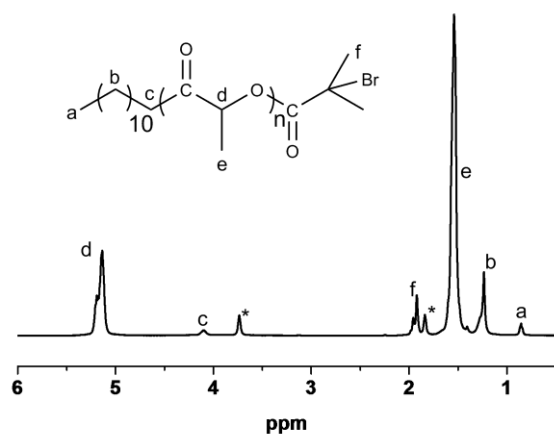
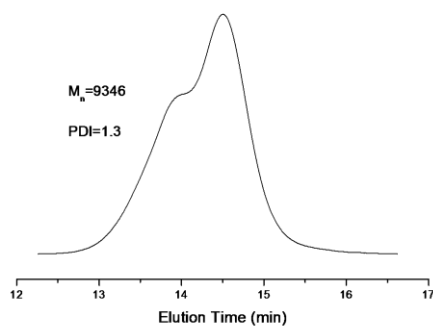


Figure S1. Chemical structure and ^1H NMR spectra of PLA-Br.

a)



b)

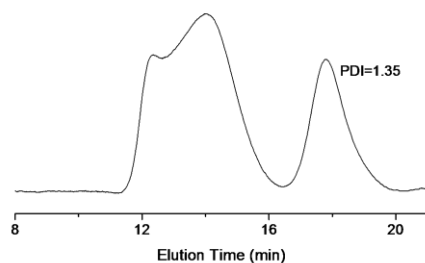


Fig. S2 GPC traces of PLA-Br (a) and PLA₁₂₆-b-PMPC₃₆ diblock copolymers (b).

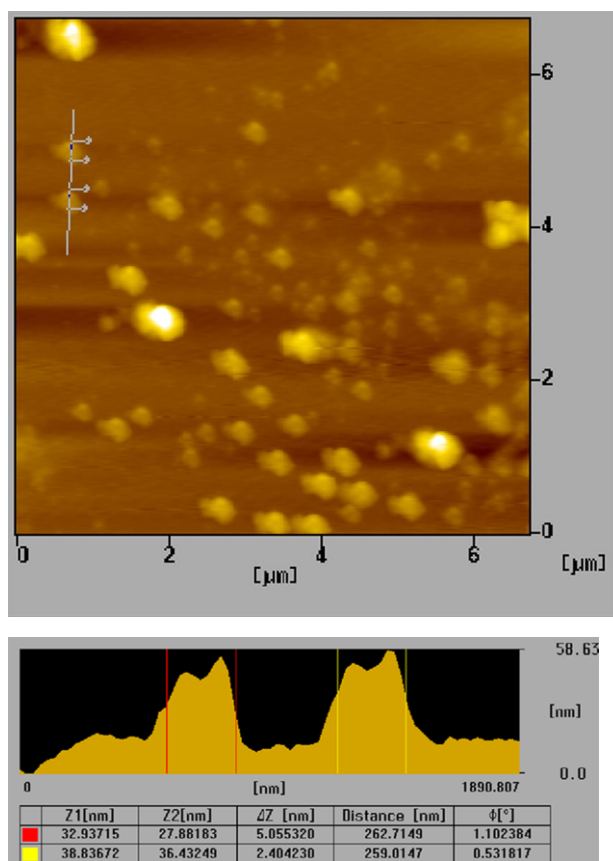


Fig. S3 AFM image of PLA-b-PMPC polymersomes.

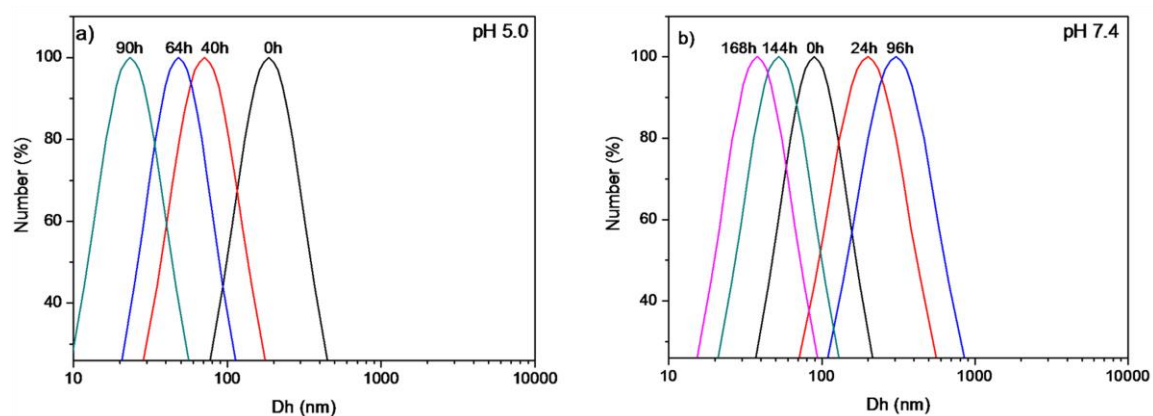


Fig. S4 The size distribution of PLA-b-PMPC aggregates in pH 5.0 PBS (a) and pH 7.4 PBS (b), at various degradation times at 37 °C.

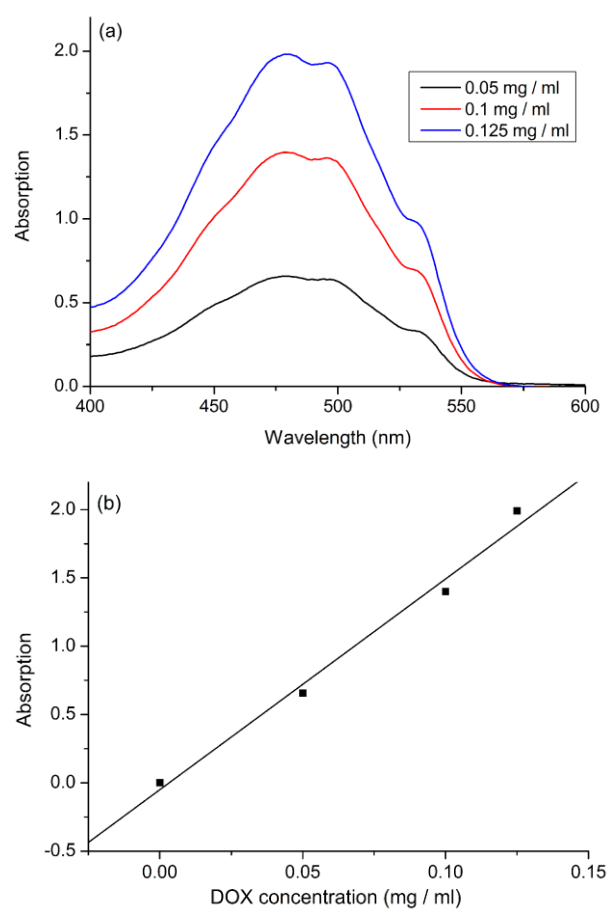


Fig. S5 Calibration curve of DOX in the mixture of DMSO and CH₃OH solutions (1:1, V:V) with different DOX concentrations.