

Supplementary Information

pH-responsive polymeric nanocarriers for efficient killing of cariogenic bacteria in biofilms

Zhouxiang Zhao,^{†a} Chunmei Ding,^{†a} Yaqin Wang,^a Hong Tan^a and Jianshu Li^{*a,b}

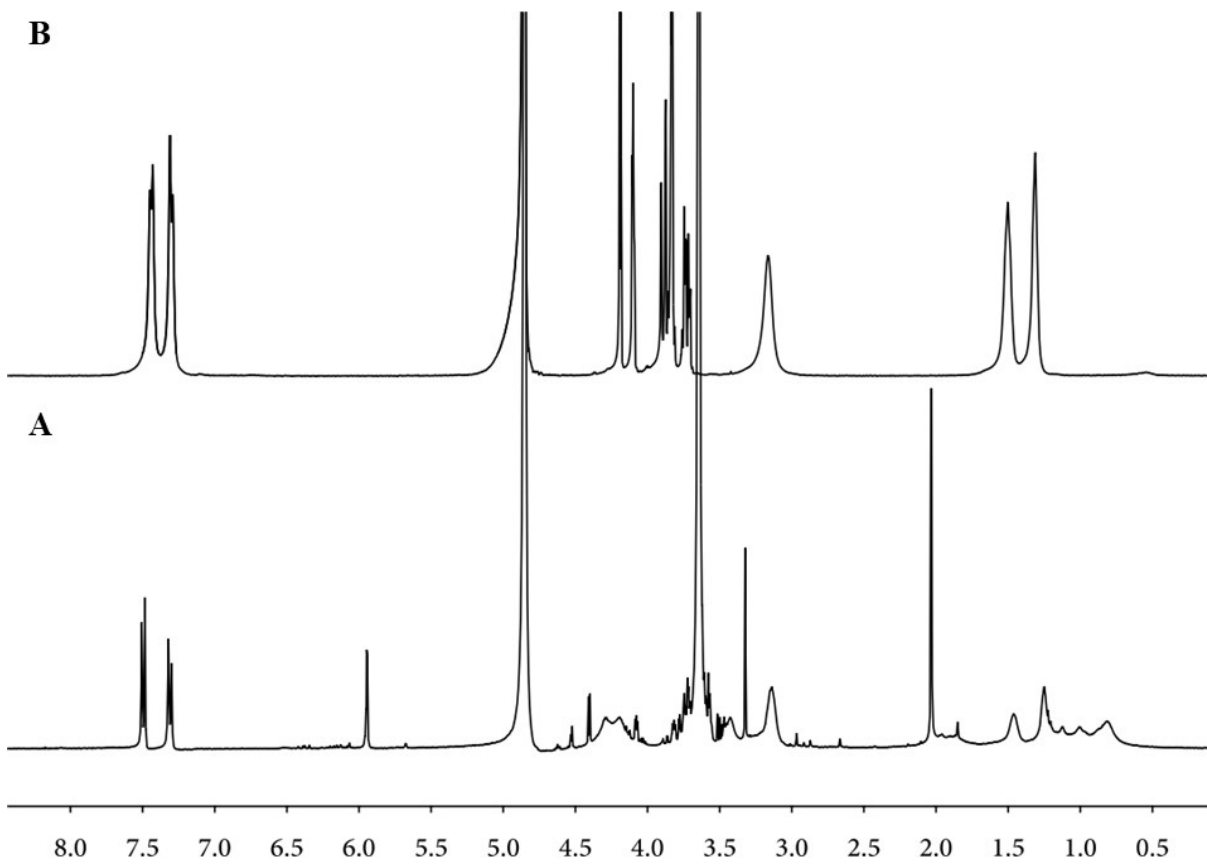


Fig. S1 ¹H NMR spectra of CA-PICMs (A) in D₂O + DCl and chlorhexidine digluconate (B) in D₂O.

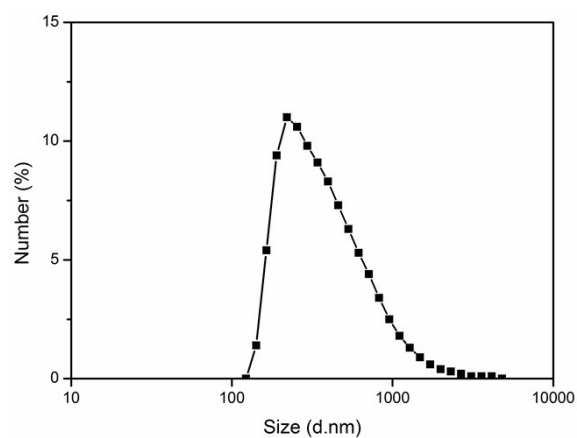


Fig. S2 The number distribution of the nanoparticle formed by self-assembly of PEG-*b*-PAECOEMA. PEG-*b*-PAECOEMA was dissolved in UPW and stirred for 24 h.

Table S1 Minimum inhibitory concentration (MIC) and minimum bactericidal concentration (MBC) values of CHX, SA-PICMs and CA-PICMs against *Streptococcus mutans*

Sample	MIC ($\mu\text{g/mL}$)	MBC ($\mu\text{g/mL}$)
CHX	2	4
SA-PICMs	16	32
CA-PICMs	16	16