Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Supporting Information

ROS-responsive polymeric micelles with aggregation-induced emission effects for drug delivery and cellular imaging

Xiaoyi Song [a], Fan Yang [a], Ruixuan Ji [a], Bin Yang [b], Yin Lv [a*], Zhong Wei [a*]

[a] *School of Chemistry and Chemical Engineering/ State Key Laboratory Incubation Base for Green Processing of Chemical Engineering, Shihezi University, Shihezi 832000, China*

[b] *School of Biomedical Engineering, Guangzhou Medical University, Guangzhou 511436, China*

Table S1 Elemental analysis results of polymers

		Element Content (wt.%) [a]	
		Carbon	Oxygen
Polymer-1	mPEG-PCL	58.54	41.46
Polymer-2	mPEG-*TK*-PCL	60.26	39.74
Polymer-3	mPEG-*TK*-PCL-TPE	57.45	42.55

a Obtained by elemental analysis.

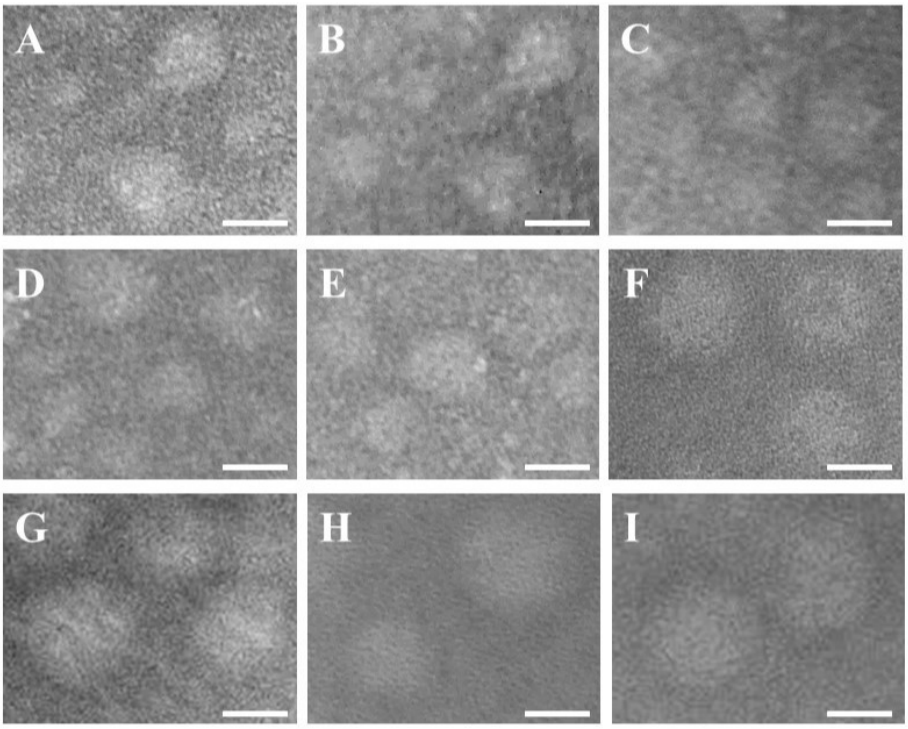

Figure S1 Transmission electron microscopy (TEM) images of blank polymer micelles in different environments: (A) Polymer-1 (B) Polymer-2 (C) Polymer-3 at pH 7.4; (D) Polymer-1 (E) Polymer-2 (F) Polymer-3 at pH 5.5; (G) Polymer-1 (H) Polymer-2 (I) Polymer-3 at pH 5.5 and 10 mM H_2O_2 (scale: 50 nm).

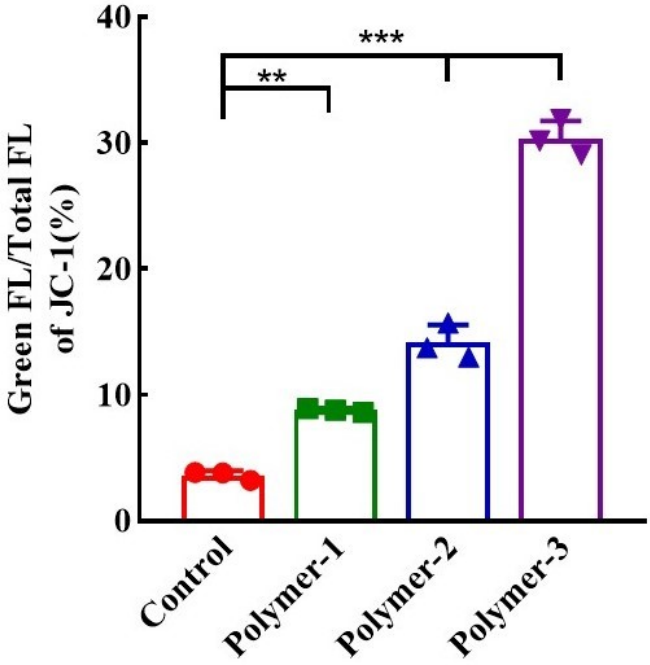

Figure S2 The quantitative percentage of JC-1 monomer fluorescence to total fluorescence intensity.