

Electronic Supplementary Information

Thermo-responsive organic/inorganic hybrid vesicles with tunable membrane permeability

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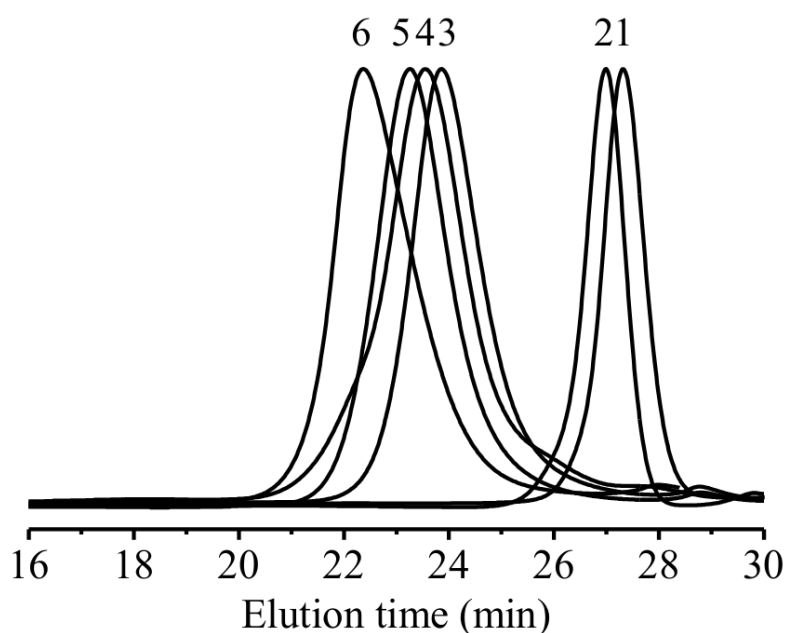


Figure S1. SEC traces of (1) PEO₄₅; (2) PEO₄₅-EDMAT; (3) PEO₄₅-*b*-P(NIPAM₆₆-*r*-TMPM₉); (4) PEO₄₅-*b*-P(NIPAM₇₅-*r*-TMPM₁₂); (5) PEO₄₅-*b*-P(NIPAM₆₉-*r*-TMPM₁₇); (6) PEO₄₅-*b*-P(NIPAM₆₃-*r*-TMPM₂₈).

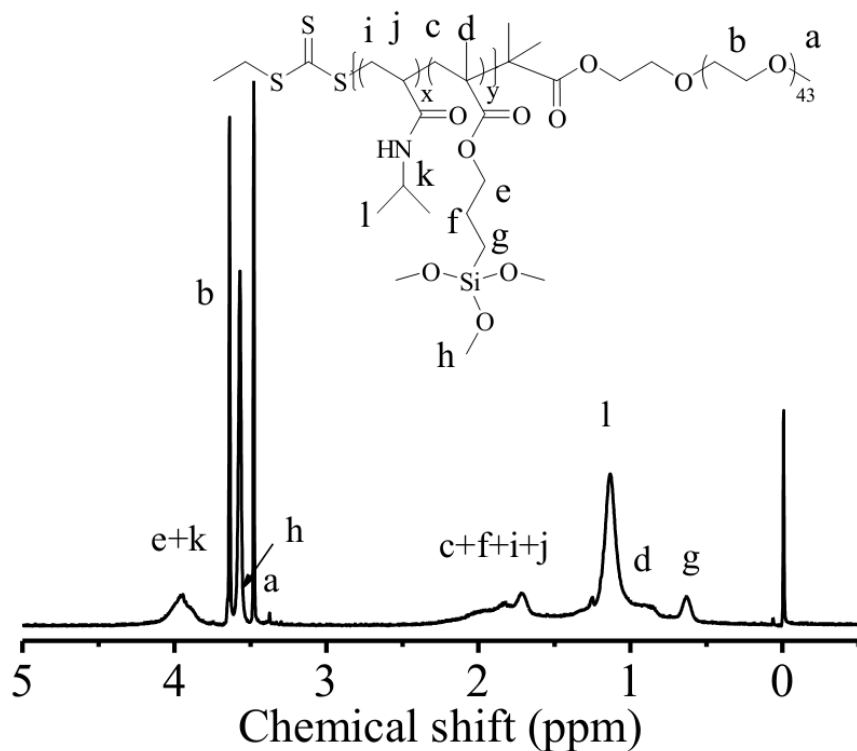


Figure S2. ¹H NMR spectrum of PEO₄₅-*b*-P(NIPAM₆₃-*r*-TMPM₂₈) copolymer in CDCl₃.

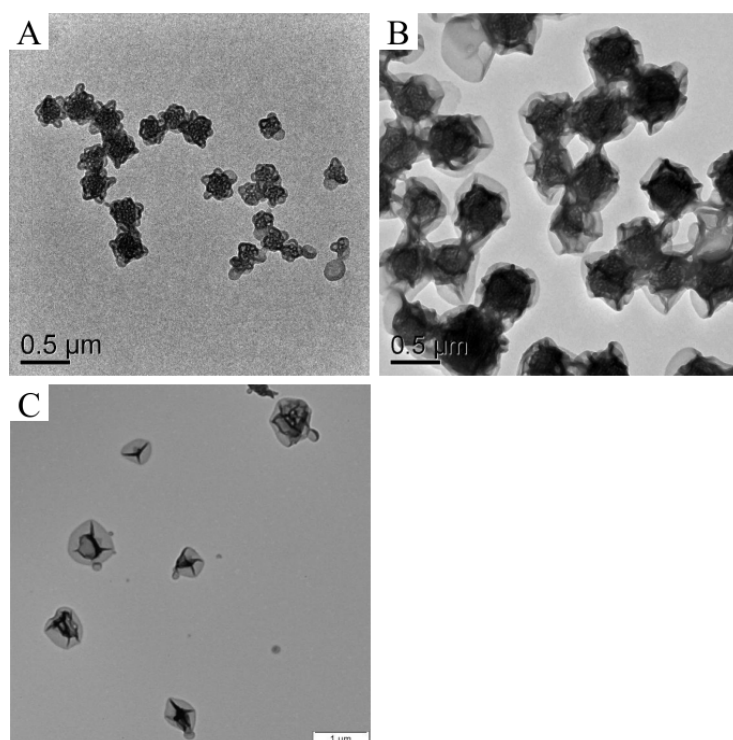


Figure S3. TEM images of gelated aggregates prepared from $\text{PEO}_{45}\text{-}b\text{-P}(\text{NIPAM}_{69}\text{-}r\text{-TTPM}_{17})$ at 50 wt % H_2O , (A) $C_{\text{ini}} = 2 \text{ mg/mL}$; (B) $C_{\text{ini}} = 5 \text{ mg/mL}$; (C) $C_{\text{ini}} = 20 \text{ mg/mL}$, at 28°C .

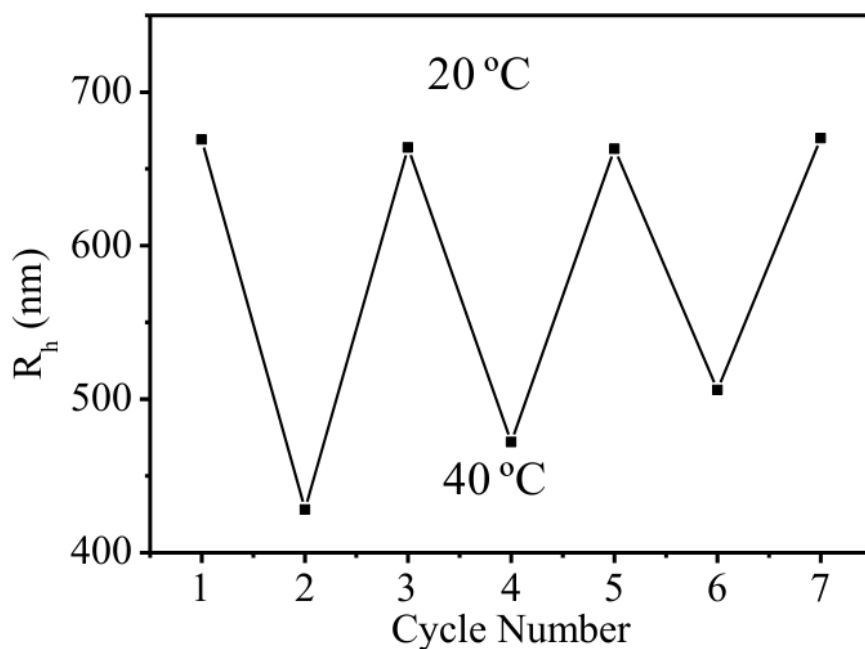


Figure S4. Reversible size change of the gelated porous vesicles generated from $\text{PEO}_{45}\text{-}b\text{-P}(\text{NIPAM}_{66}\text{-}r\text{-TTPM}_9)$ shown in Figure 3A at 20°C and 40°C .