Figure S1 Temperature dependence of turbidity of 1.0 mg/ml PNIPAm solutions with and without added salt (0.1 M NaCl and 0.5M NaCl).
Figure S2. Temperature dependence of turbidity for 1mg/ml PNIPAm-\textit{b}-PSSNa aqueous solutions. Arrows indicate the critical micelle temperature (CMT).
Figure S3 SLS intensity for PNIPAm-b-PSSNa water solutions at 25°C and 50°C. Arrows indicate cmc at 50°C.
Fig S4. Observation of foam formation for 1 mg/mL PNIPAm-b-PSSNa aqueous solutions.

Figure S5 (A) The time correlation functions for the scattered field and (B) the decay rate $\Gamma$ vs $q^2$ plot for 0.5 mg/mL NIPAm_{74-b}-SSNa_{50} aqueous solution at 50°C.
Fig S6. Salt concentration dependence of $R_n$ of PNIPAm-$b$-PSSNa micelles at 50°C.