

**Electronic Supplementary Information (ESI)**

**Mechanical and Responsive Properties of Temperature-  
Responsive Gels Prepared via Atom Transfer Radical  
Polymerization**

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Table S1. Conversion of total monomers after the PNIPAAm gels with various crosslinker contents were synthesized by ATRP and FRP.

		Conversion (%)			
Polymerization temperature (°C)		5		25	
Crosslinker content (mol%)		ATRP	FRP	ATRP	FRP
1		32.7	78.6	56.5	76.6
3		67.5	81.2	84.3	82.2
5		80.6	94.3	89.7	85.2
10		70.3	81.0	93.1	72.1
13		80.0	74.6	93.1	91.7

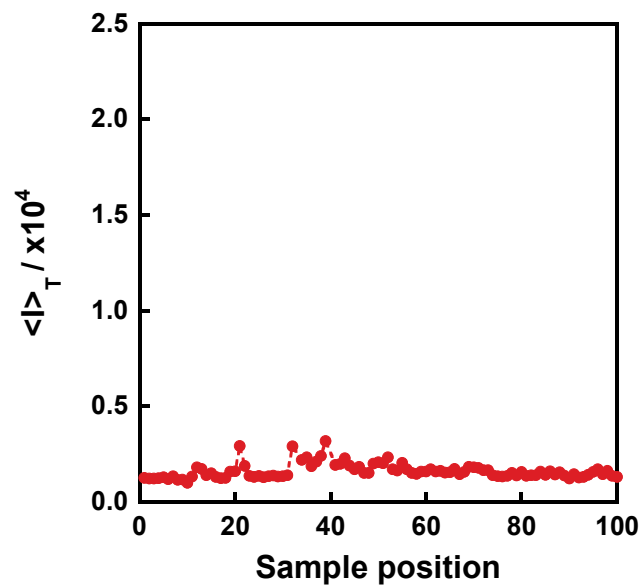


Figure S1. Time average scattered intensity,  $\langle I \rangle_T$ , vs sample position for an aqueous solution containing linear PNIPAAm homopolymer synthesized by ATRP.