ELECTRONIC SUPPLEMENTARY INFORMATION FOR:

Poly[N-(2-Hydroxypropyl)Methacrylamide] Nanogels
by RAFT Polymerization in Inverse Emulsion

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Figure S1: SEC-traces (RI-signal) of polymers prepared in experiments # 1 - # 4 ($c_{\text{HPMA}} = 2.3\text{M}$, solvent: $\text{H}_2\text{O}/\text{MeOH}$, $T = 80 \, ^\circ\text{C}$, $t = 4\, \text{h}$).

Figure S2: SEC-traces (RI-signal) of polymers prepared in experiments # 5, # 8, # 9 and # 10 ($c_{\text{HPMA},\text{H}_2\text{O}} = 2.3\text{M}$, surfactant: HM 1083, solvent: $\text{H}_2\text{O}/\text{MeOH}$ and cyclohexane, $T = 80 \, ^\circ\text{C}$, $t = 2\, \text{h}$).
Figure S3. Evolution of $M_w/M_n$ (derived from SEC) with HPMA conversion in the inverse RAFT emulsion polymerization experiments # 6 and # 7.

Figure S4: DLS particle size distribution of PHPMA nanoparticles from experiment # 13 directly after dissolution in EtOH.