Supplementary Information

Optimization of the RAFT Polymerization Conditions for the in Situ Formation of Nano-objects via Dispersion Polymerization in Alcoholic Medium

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Electronic Supplementary Material (ESI) for Polymer Chemistry. This journal is © The Royal Society of Chemistry 2014
Figure S1. SEC chromatogram ($w(\log M)$ vs. $\log M$) of P(PEGA<sub>454</sub>)-TTC macro-RAFT agent obtained by RAFT polymerization at 70°C in dioxane. [PEGA454]<sub>0</sub>: [PABTC]<sub>0</sub>: [V501]<sub>0</sub> = 60 : 1 : 0.1. DMF was used as the eluent.

Figure S2. SEC chromatogram ($w(\log M)$ vs. $\log M$) of P(PEGA<sub>454</sub>)-TTC macro-RAFT agent obtained by RAFT polymerization at 80 °C in dioxane. [PEGA<sub>454</sub>]<sub>0</sub>: [PABTC]<sub>0</sub>: [VA-088]<sub>0</sub> = 60 : 1 : 0.1. DMF was used as the eluent.
Figure S3. SEC chromatograms (w(logM) vs. logM) of P(PEGA_{454})-TTC macro-RAFT agent obtained by RAFT polymerization at 60 °C, [PABTC]_0 : [V501]_0 = 8 (straight line) and 70 °C, [PABTC]_0 : [V501]_0 = 34 (desh line) in H₂O : dioxane = 9 : 1, [PEGA_{454}]_0 : [PABTC]_0 = 60 : 1. DMF was used as the eluent.

Figure S4. SEC chromatograms (w(logM) vs. logM) of P(PEGA_{454})-TTC macro-RAFT agent obtained by RAFT polymerization at 44 °C in H₂O : dioxane = 9 : 1, [PEGA_{454}]_0 : [PABTC]_0 : [VA-044]_0 = 60 : 1 : 0.03. DMF was used as the eluent.