[Supplementary Information]

Cosolvency effect on tunable thermosensitive core-shell nanoparticle gels

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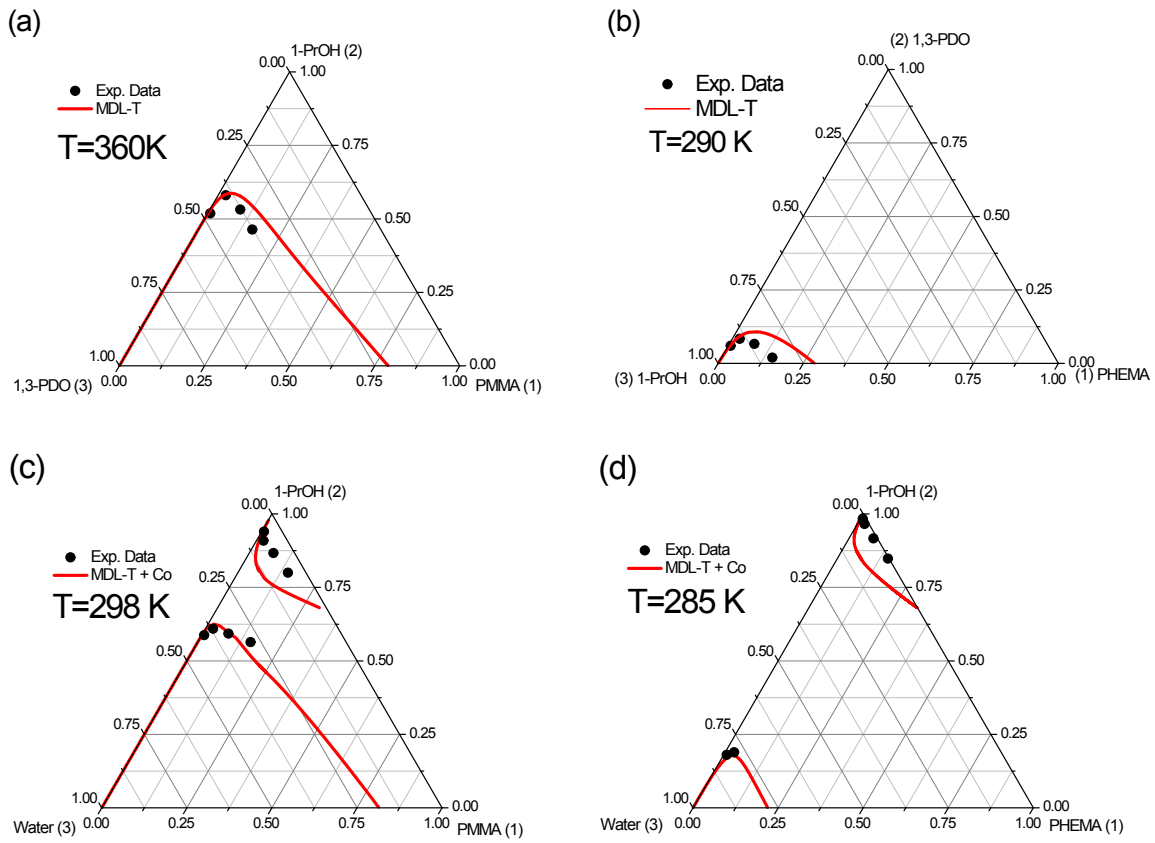

Fig. S1. Ternary phase diagrams of (a) PMMA/1-PrOH/PDO, (b) PHEMA/1-PrOH/PDO, (c) PMMA/1-PrOH/water, and (d) PHEMA/1-PrOH/water. The symbols correspond to the experimental data, and the lines are the results of the MDL-T model and its co-solvency modification.

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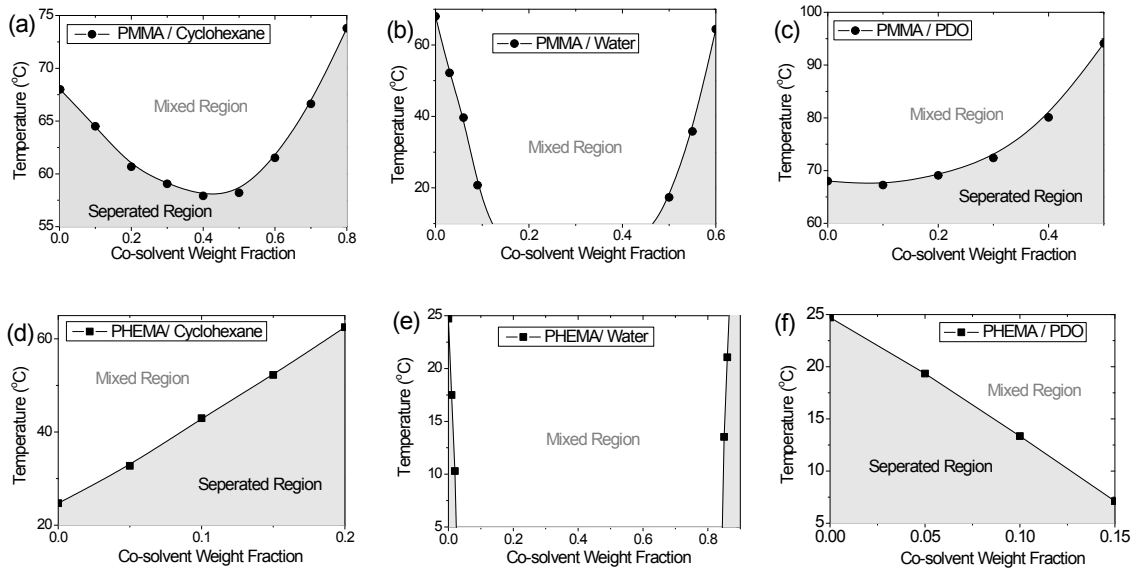

Fig. S2. The UCST-type phase transition temperatures of PMMA (M_w=15,000) and PHEMA (M_w=20,000) in 1-propanol/co-solvent mixtures as function of concentration of three different co-solvents: (a) PMMA/1-PrOH/CHX (b) PMMA/1-PrOH/water (c) PMMA/1-PrOH/PDO (d) PHEMA/1-PrOH/CHX (e) PHEMA/1-PrOH/water and (f) PHEMA/1-PrOH/PDO. Polymer concentrations for each sample are maintained as 3 wt% for total solution.