Electronic Supplementary Material (ESI) for Materials Advances.

Supplementary Information

Surfactant Free Suspension Polymerization of Hydrophilic Monomers with Oil-in-Water System for Preparation of Microparticles toward Selective Isolation of Tumor Cells

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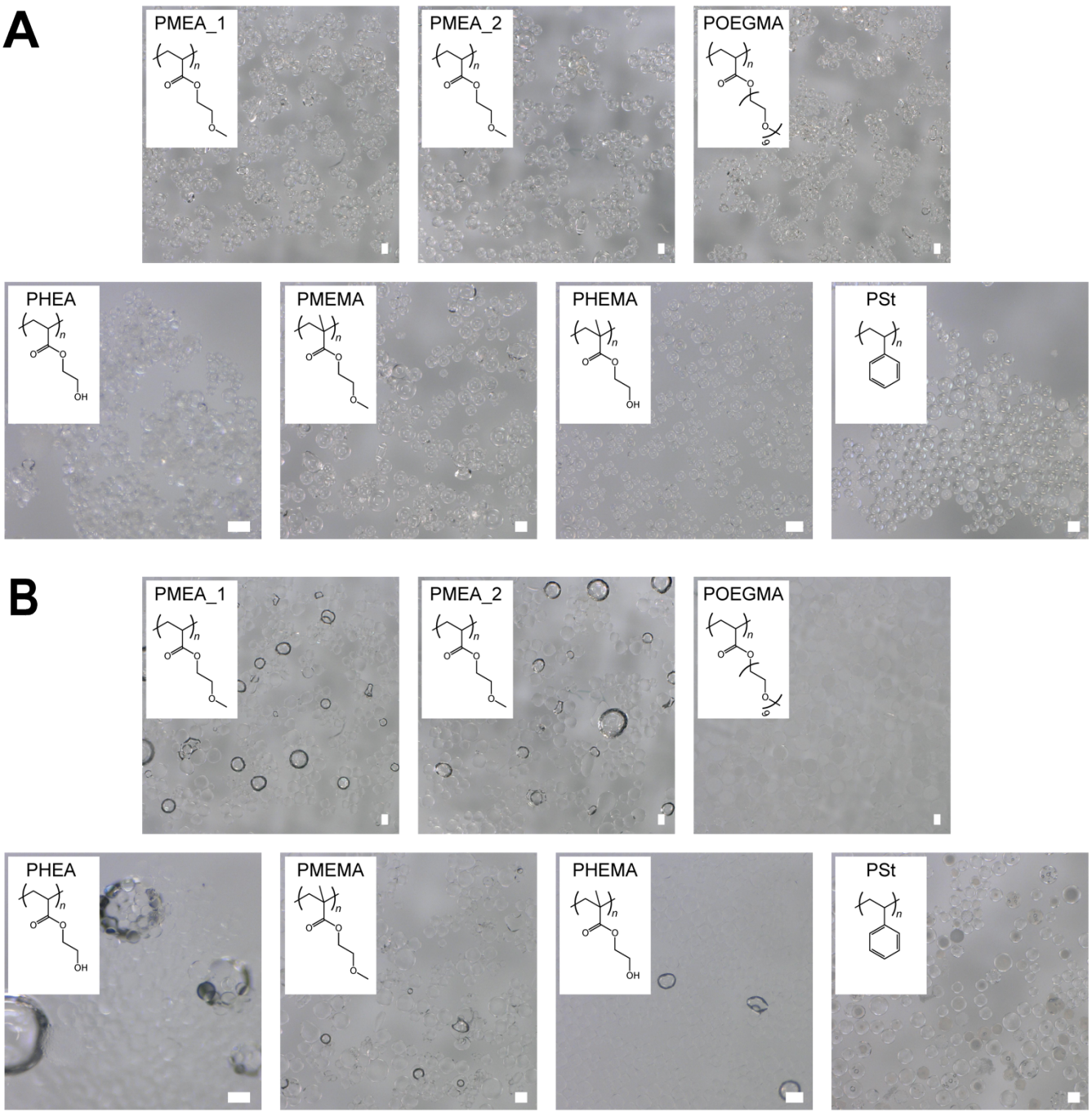

Figure S1. Optical microscope images of the polymers' microparticles collected under (A) dry and (B) wet conditions. Scale bar: 100 µm.

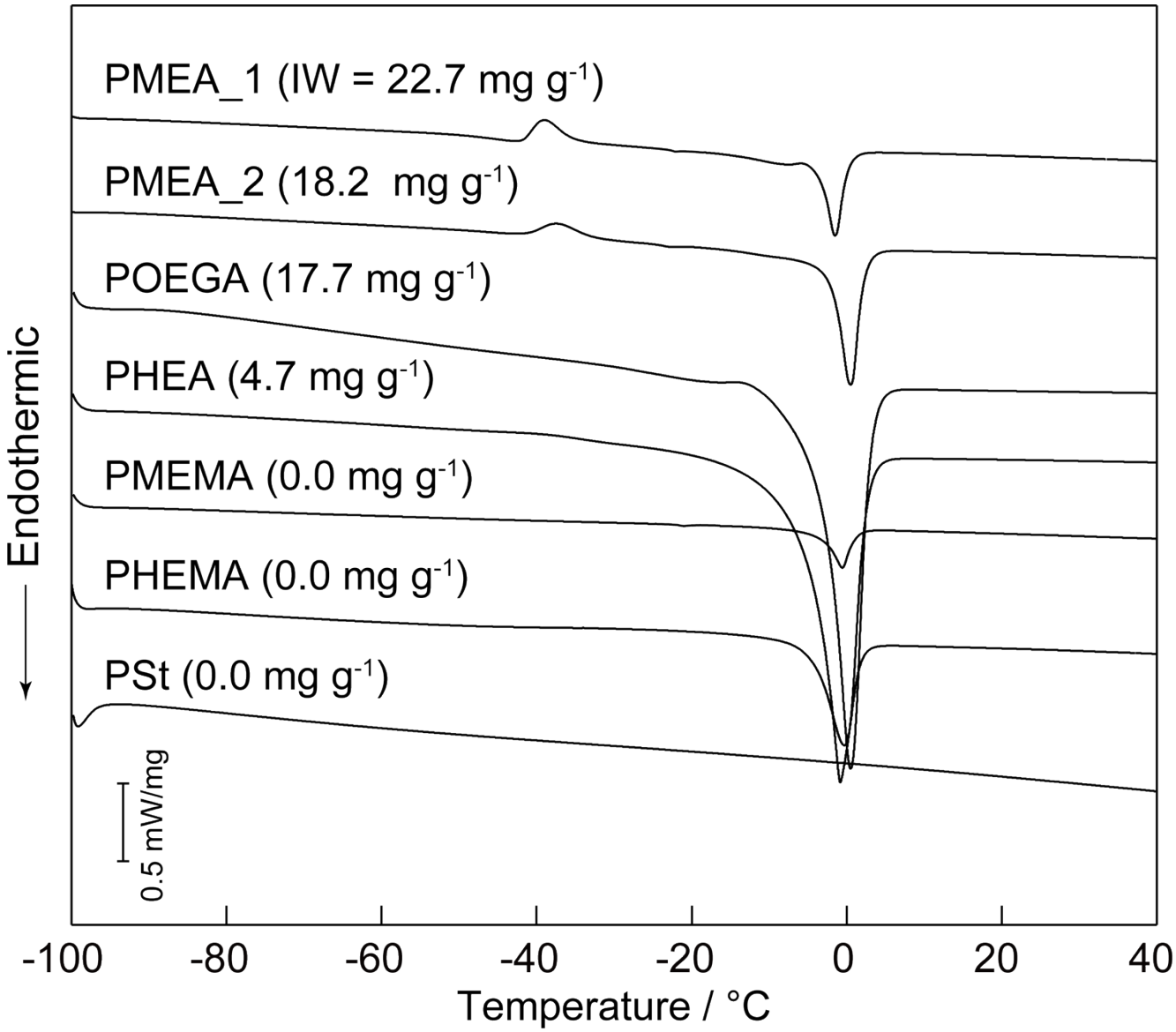

Figure S2. DSC thermograms of the polymers' microparticles. The measurements were carried out after sufficient soaking in PBS (–).

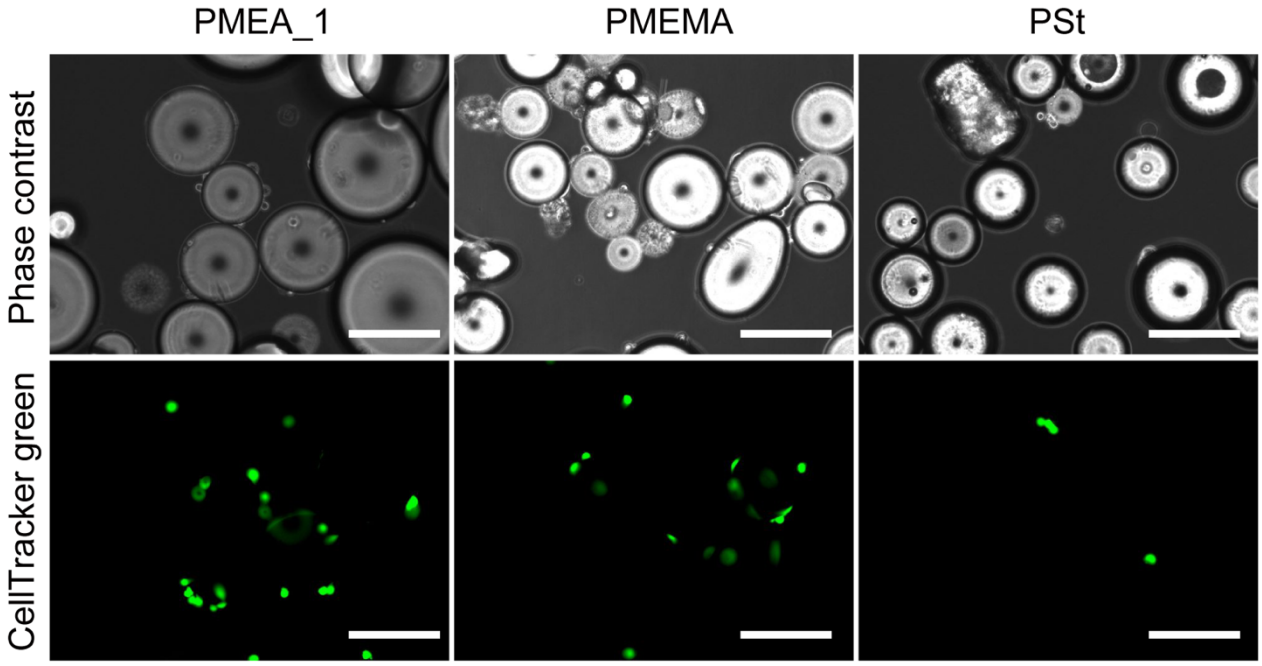

Figure S3. Phase contrast and fluorescence images of HeLa ells treated with PMEA_1, PMEMA, and PSt microparticles for 24 h under static condition. HeLa cells were stained with CellTracker green before the treatment. Scale bar is 100 μm.

Table S1. Summary of atom ratio for the microparticles prepared in this study.

Samples	Atom ratio (%)[a]			
	$C_{theo.}$	$C_{obs.}$	$O_{theo.}$	$O_{obs.}$
PMEA_1	66.7	66.2	33.3	33.8
PMEA_2	66.7	65.9	33.3	34.1
POEGA	66.7	67.1	33.3	32.9
PHEA	62.5	62.2	37.5	37.8
PMEMA	70.0	69.3	30.0	30.7
PHEMA	66.7	66.8	33.3	33.2

a) The atom ratio was calculated by XPS measurement.