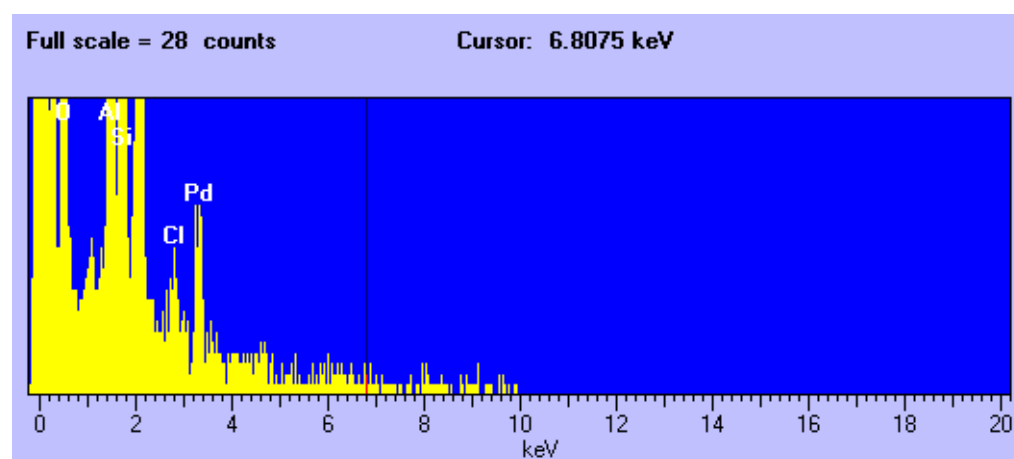
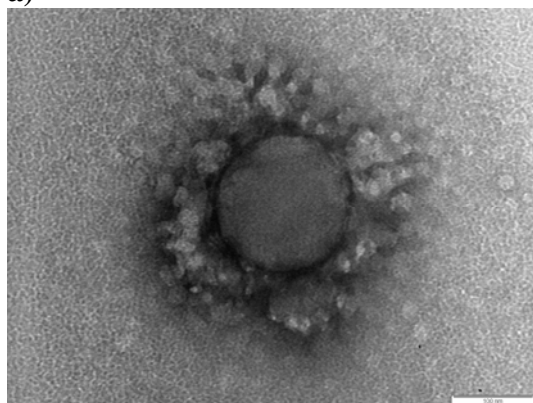


Supplementary Information

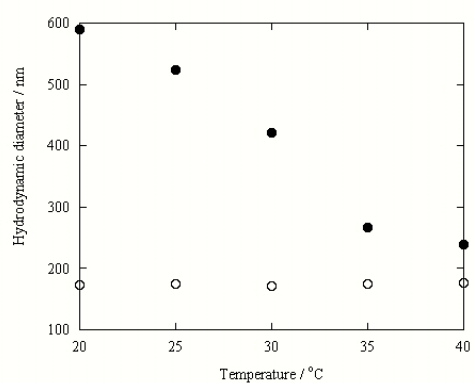


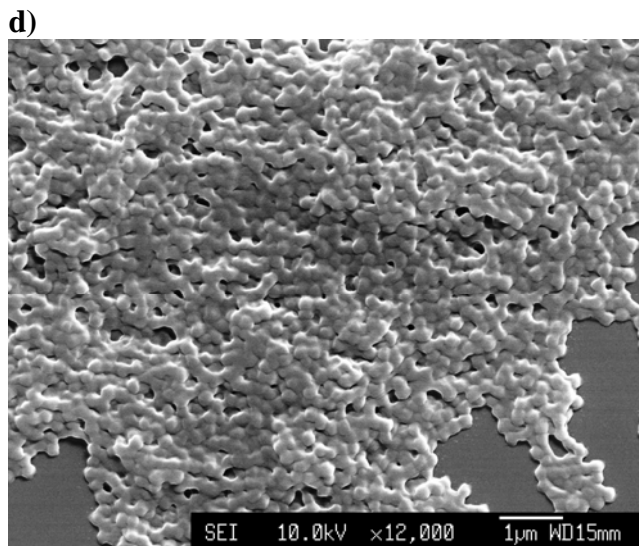
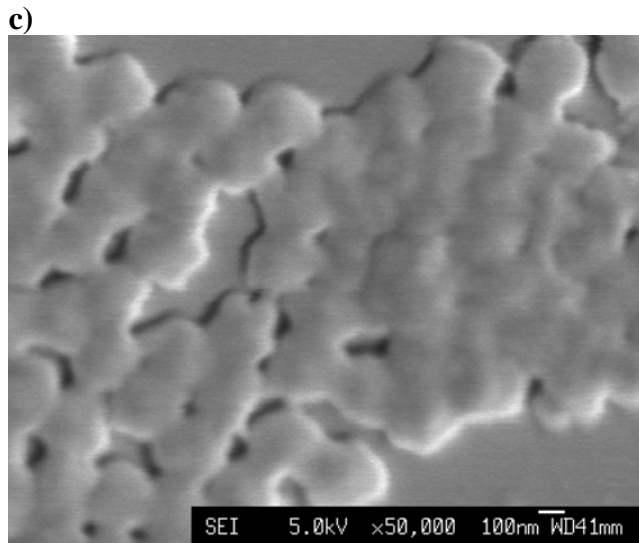
SI 1. Energy dispersive X-ray spectrum of and adsorbed Cl-PVP microgel layer.

a)



b)





SI 2. a) Negatively stained TEM image of a Cl-PVP microgel particle homogeneously grafted with PNIPAM **b)** Hydrodynamic diameter as a function of temperature for Cl-PVP microgel particles (\circ) and Cl-PVP microgel particles homogeneously grafted with PNIPAM (\bullet) **c)** SEM of Cl-PVP microgel particles homogeneously grafted with PNIPAM at 20 °C **d)** SEM of Cl-PVP microgel particles homogeneously grafted with PNIPAM at 50 °C.