# SUPPORTING INFORMATION

# Microgels or Microcapsules? Role of Morphology on the

### Release Kinetics of Thermoresponsive PNIPAm-co-PEGMa

# Hydrogels

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**Figure S1**. A calibration curve for FITC-dextran's fluorescence intensity as a function of its concentration shows a linear relation and is used for determining a concentration of an unknown solution.

#### **Non-First Order Release Kinetics in Microgels**

In order to determine whether the % cumulative release follows first order kinetics, log % cumulative release is plotted as a function of log time and shown in Figure S2. For first release kinetics, the rate of the process depends only on concentration of a reactant (or drug in this case). As can be seen the relationship is not linear and therefore does not follow first order kinetics for PNIPAm, PEG, and PNIPAm-*co*-PEGMa microgels at 25, 37, and 45 °C.



**Figure S2.** Log % cumulative release plotted as a function of log time. As can be seen, the relationship is not linear and therefore does not follow first order kinetics for PNIPAm, PEG, and PNIPAm-*co*-PEGMa microgels at 25, 37, and 45 °C.