Electronic supplementary information

Distribution of cytochrome c in polyacrylate microgels

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The cyt c distribution was confirmed using Oregon Green 488-labeled cyt c. However, the observed U-shape at the highest cyt c concentration was more pronounced in the case of Oregon Green 488-labeling, which indeed is an expected effect from the fact that cyt c has an absorption peak (530 nm) close to the emission peak of Oregon Green 488 (519 nm)

Figure S1. (a) Pictures showing the distribution of Oregon Green 488-labelled cyt c in poly(acrylic acid) microgels at pH 7.0, ionic strength 40 mM and cyt c concentrations 4.3-68 µM. The fluorescence intensity was measured 10 min after cyt c addition along a line through the centre of the microgel, as shown in the picture. The intensity profiles through the microgels were observed to be “plateau-like” at cyt c concentrations of (b) 4.3 µM, (c) 8.5 µM and (d) 17 µM. At 68 µM cyt c the intensity profiles were “U-shaped”, as shown for microgels with diameters of (e) 35 µm and (f) 100 µm.