The effect of surfactants on the self-assembly of a model elastin-like block co-recombinamer: From micelles to an aqueous two-phase system

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Chemical structure of the surfactants.

• DTAB:

$$\begin{array}{c} \text{CH}_{3} \;\; \text{Br}^{\text{-}} \\ \text{CH}_{3}(\text{CH}_{2})_{10}\text{CH}_{2} - \stackrel{\text{-}}{\text{N}}^{\text{+}} - \text{CH}_{3} \\ \stackrel{\text{-}}{\text{CH}_{3}} \end{array}$$

• **OG**:

• SDS:

$$CH_3(CH_2)_{10}CH_2O - \overset{O}{\overset{\square}{\overset{\square}{S}}} - ONa$$

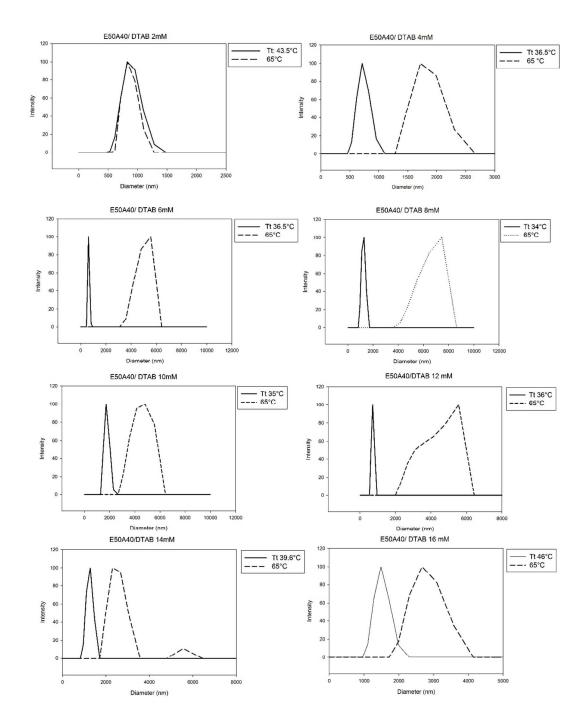


Figure S1: Size distribution of ELbcR/DTAB as measured by DLS after 90 min at their corresponding T_t and at $65^{\circ}\mathrm{C}$

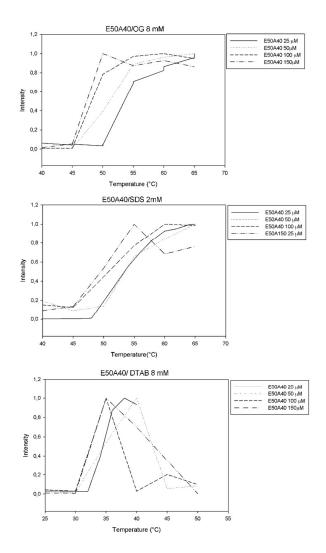


Figure S2: Normalized intensity profile of scattered light as a function of temperature for different concentrations of ELbcR at a fixed surfactant concentration. T_t is taken to be taken to be the temperature at which the change in the scattered intensity reaches a value of 50%.

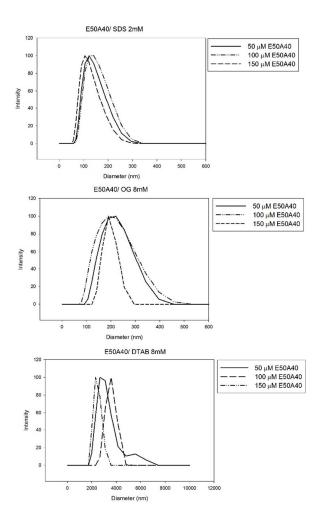


Figure S3: Size distribution as measured by DLS a 65°C for different concentration of ELbcR with a fixed surfactant solution.