

Supplementary Information

Kinetics of Thermo-Induced Micelle-to-Vesicle Transitions in Catanionic Surfactant System Investigated by Stopped-Flow Temperature Jump

Jingyan Zhang^{†,‡} and Shiyong Liu^{*,‡}

*School of Materials and Chemical Engineering, Anhui Key Laboratory of Advanced
Building Materials, Anhui University of Architecture, Hefei, Anhui 230022, China;
CAS Key Laboratory of Soft Matter Chemistry, Department of Polymer Science and
Engineering, University of Science and Technology of China, Hefei, Anhui 230026, China*

[†] Anhui University of Architecture

[‡] University of Science and Technology of China

* To whom correspondence should be addressed. E-mail: sliu@ustc.edu.cn

Table S1. Summary of the Data Calculated from Single- and Double-Exponential Fitting to the Kinetic Traces Shown in Figure 8.

<i>Single-Exponential</i>	/	<i>c</i>	/	/	τ / s	χ^2
<i>Fitting</i>	/	1	/	/	136	17.6
<i>Double-Exponential</i>	<i>c</i> ₁	<i>c</i> ₂	τ ₁ / s	τ ₂ / s	τ _f / s	χ^2
<i>Fitting</i>	0.42	0.58	5.2	188	73	0.61

τ_i : characteristic relaxation time. c_i : amplitudes associated with τ_i . The accuracy of the obtained τ_i and c_i values was within $\pm 5\%$.

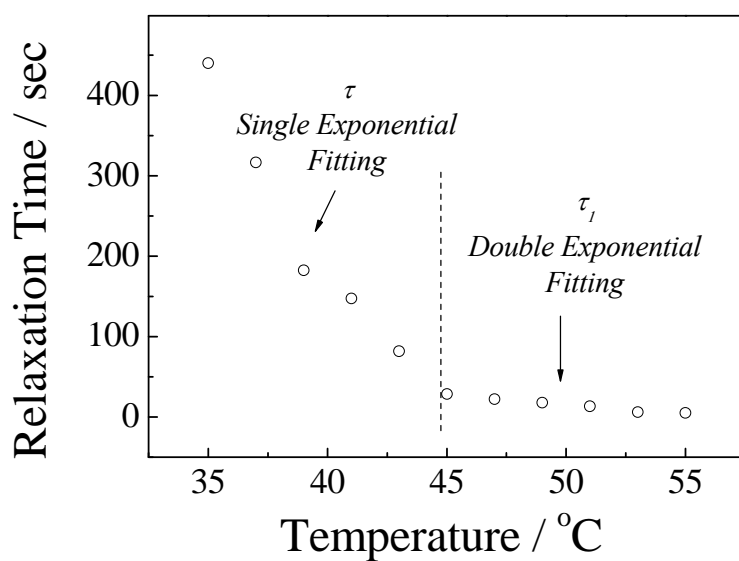


Figure S1. Final temperature dependence of relaxation times τ and τ_1 obtained respectively from the single exponential fitting of stopped-flow dynamic traces shown in Figure 4a and double exponential fitting results of stopped-flow dynamic traces shown in Figure 6.