Supplementary materials

Effect of temperature and polyols on the drug (ciprofloxacin hydrochloride) mediated micellization of sodium dodecyl sulfate

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Table S1

The estimated values of A, B & C by regression analysis of least squares in different solvents.

| $C_{CFH}$ (mmol.kg$^{-1}$) | Water | 10 mmol.kg$^{-1}$ glucose | 10 mmol.kg$^{-1}$ fructose |
|---------------------------|-------|---------------------------|---------------------------|
|                           | A     | B  | C  | A  | B  | C  | A  | B  | C  |
| 0.00                      | 64.2600 | -0.4246 | 0.0007 | 157.1600 | -1.0818 | 0.0018 | 156.4100 | -1.0749 | 0.0017 |
| 0.50                      | 50.3850 | -0.3335 | 0.0005 | 97.1890 | -0.6899 | 0.0011 | 126.6900 | -0.8822 | 0.0014 |
| 1.00                      | 33.5680 | -0.2242 | 0.0004 | 89.0720 | -0.6385 | 0.0010 | 101.8600 | -0.7200 | 0.0012 |
| 2.00                      | 87.2780 | -0.5781 | 0.0009 | 78.5830 | -0.5685 | 0.0009 | 97.0030 | -0.6882 | 0.0011 |

Table S2

Enthalpy-entropy compensation parameters for SDS & SDS+CFH mixture in different solvents

| $C_{CFH}$ (mmol.kg$^{-1}$) | Water | 10 mmol.kg$^{-1}$ glucose | 10 mmol.kg$^{-1}$ fructose |
|---------------------------|-------|---------------------------|---------------------------|
|                           | $\Delta H_m^o$ | $T_c$ | $\Delta H_m^o$ | $T_c$ | $\Delta H_m^o$ | $T_c$ |
|                           | kJ.mol$^{-1}$ | K   | kJ.mol$^{-1}$ | K   | kJ.mol$^{-1}$ | K   |
| 0.00                      | -34.09 | 325.10 | -36.01 | 314.78 | -33.58 | 301.33 |
| 0.50                      | -5.60  | 288.16 | -33.08 | 302.06 | -32.02 | 301.30 |
| 1.00                      | -5.82  | 344.88 | -30.83 | 294.52 | -32.86 | 318.04 |
| 2.00                      | -6.70  | 297.82 | -31.26 | 299.11 | -31.25 | 303.59 |