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Electronic Supplementary Information for

Good's buffer ionic liquid tunes the phase behavior of anionic surfactant SDBS-stabilized *n*-octane-water microemulsion and the stability of the solubilized horseradish peroxidase

Xiaonan Li, Xirong Huang*

Key Laboratory of Colloid and Interface Chemistry of the Education Ministry of China, Shandong University, Jinan 250100, China.

* Corresponding author

E-mail address: xrhuang@sdu.edu.cn (X. Huang)

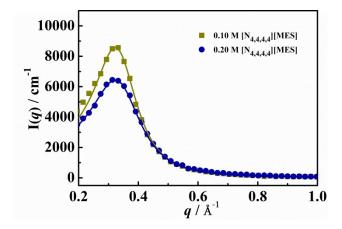


Figure S1. SAXS spectra of H₂O(0.10/0.20 M [N_{4,4,4,4}][MES])/SDBS/*n*-butanol/*n*-octane microemulsion system (T = 30 °C, $\phi = 0.500$, $\beta = 0.140$, $\varepsilon = 0.032$).

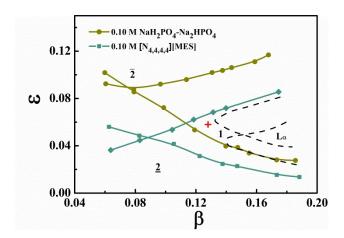


Figure S2. The ε - β fish-like phase diagrams of H₂O(0.10 M buffer)/SDBS/n-butanol/n-octane microemulsion system at ϕ = 0.500 and T = 30 °C. The symbol "+" locates the sample studied for enzyme stability and medium microstructure.

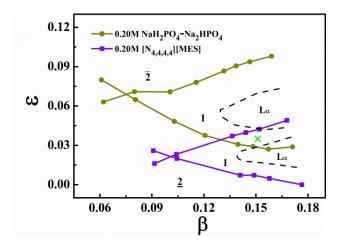


Figure S3. The ε - β fish-like phase diagrams of H₂O(0.20 M buffer)/SDBS/n-butanol/n-octane microemulsion system at ϕ = 0.500 and T = 30 °C. The symbol "×" locates the sample studied for enzyme stability and medium microstructure.