

Supplementary Information

One-Step Formation of W/O/W Multiple Emulsions Stabilized by Single Amphiphilic Block Copolymers

Liangzhi Hong,^{a,*} Guanqing Sun^b, Jinge Cai^b and To Ngai^{a,b}

^a Faculty of Materials Science and Engineering, South China University of Technology, Guangzhou 510640, China; E-mail: mslzhong@scut.edu.cn

^b Department of Chemistry, The Chinese University of Hong Kong, Shatin N.T., Hong Kong.

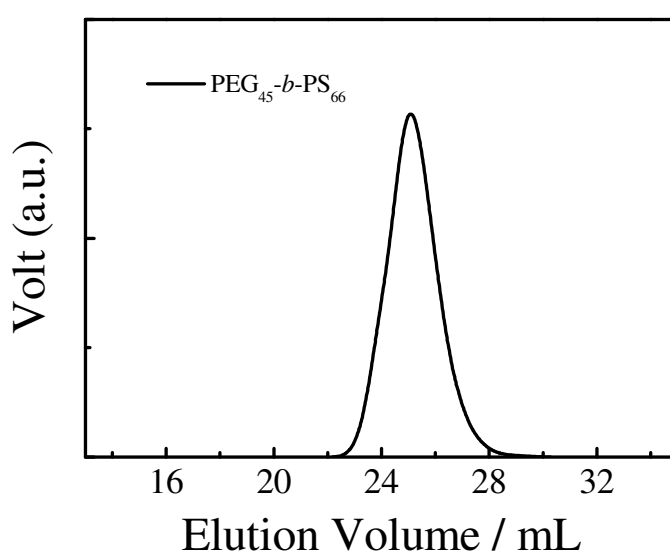


Fig. S1. SEC graph of PEG₄₅-b-PS₆₆, where THF is used as the eluent.

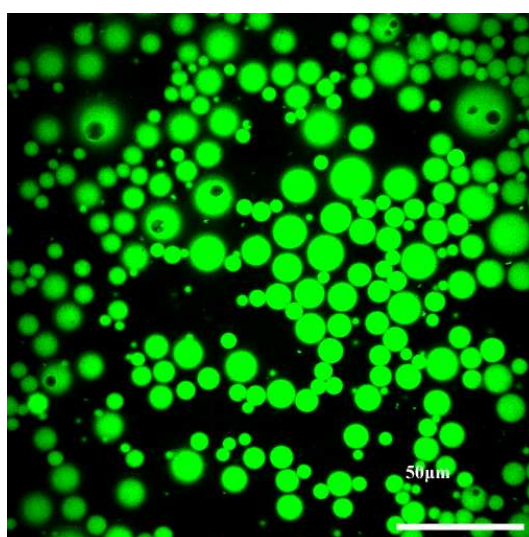


Fig. S2. CLSM images of copolymer-stabilized emulsions prepared by shearing a mixture containing toluene, water and PEG₄₅-b-PS₆₆ with 20% toluene.

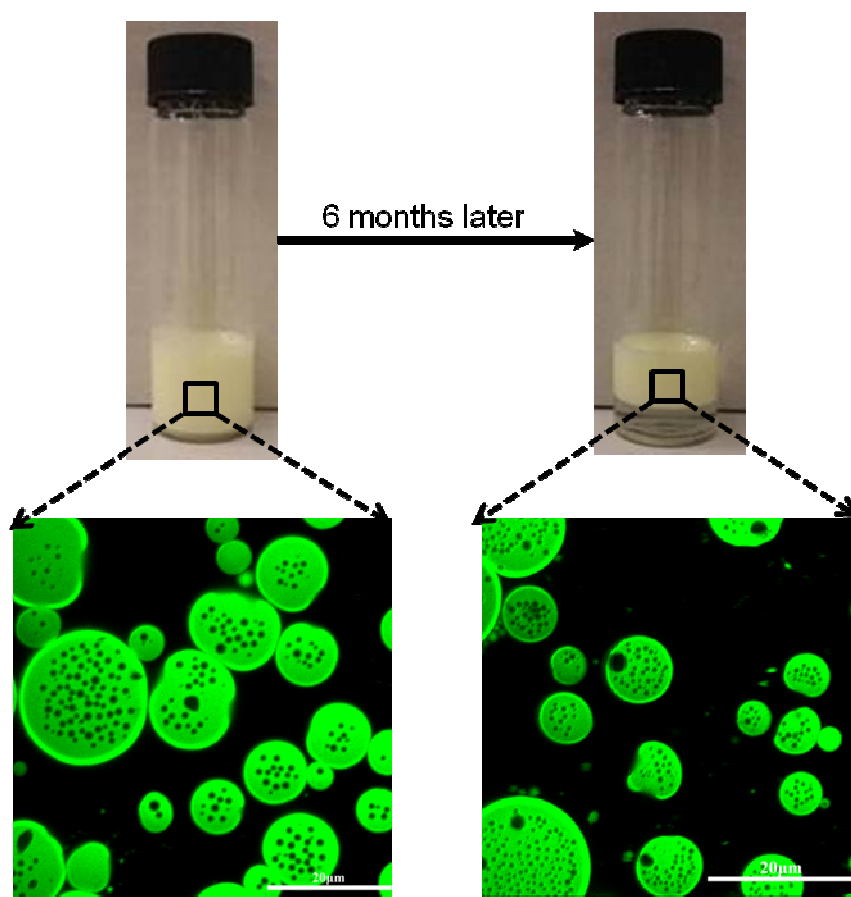


Fig. S3. Optical micrographs and confocal laser scanning microscopy images illustrate the stability and structure of prepared multiple emulsions prepared containing 40% toluene.