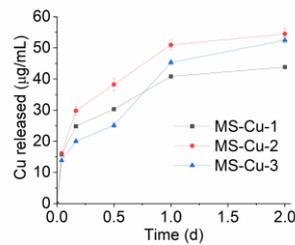


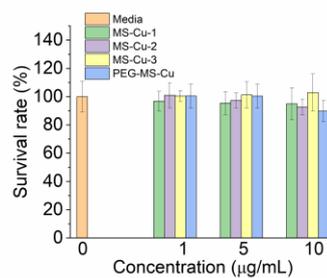
# Supplementary Material: In situ synthesis of tumor-microenvironment-responsive chemotherapy drug

Xiupeng Wang, Ayako Oyane, Tomoya Inose, Maki Nakamura

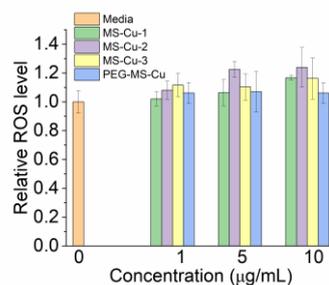
## S1. Supplementary data



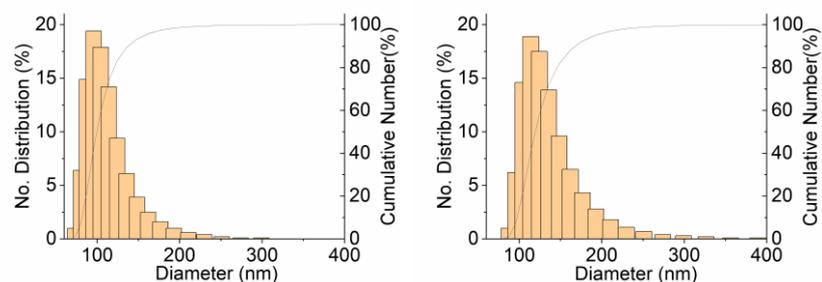
**Figure S1.** In vitro copper ion release from MS-Cu nanospheres



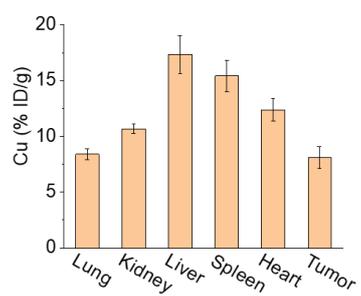
**Figure S2.** In vitro safety of MS-Cu and PEG-MS-Cu nanospheres



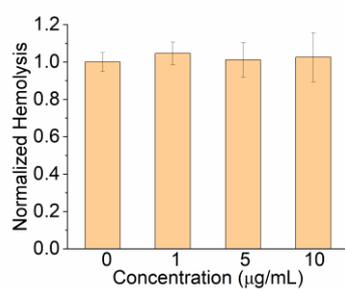
**Figure S3.** In vitro reactive oxygen species generation by MS-Cu and PEG-MS-Cu nanospheres



**Figure S4.** The particle size of PEG-MS-Cu nanospheres tested by dynamic light scattering analysis immediately (left) and 3d (right) after ultrasonication.



**Figure S5.** In vivo distribution of PEG-MS-Cu nanospheres



**Figure S6.** Hemolysis of PEG-MS-Cu nanospheres