Supporting Information

Magnetotactic Bacteria AMB-1 with Active Deep Tumor Penetrability for Magnetic Hyperthermia of Hypoxic Tumor

Xin Chen,[†] Liwen Lai,[†] Xiang Li,[†] Xintong Cheng,[†] Xinxin Shan,[†] Xiangqing Liu,[†] Liqun Chen,[†]* Guangliang Chen,^{‡,§}* and Guoming Huang[†]*

[†]College of Biological Science and Engineering, Fuzhou University, Fuzhou 350116, P. R. China

[‡]Department of Radiology, Fujian Medical University Union Hospital, Fuzhou 350001, P. R. China

§The School of Medical Technology and Engineering, Fujian Medical University, Fuzhou 350108, P. R. China

Supporting Figures

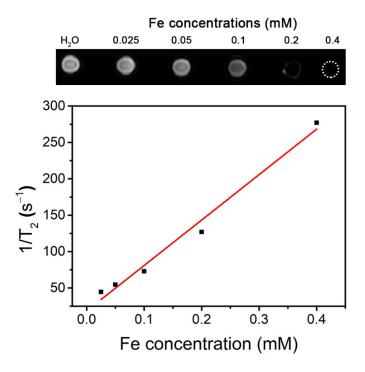


Fig. S1. T_2 -weighted phantom images and linear fitting plot of longitudinal relaxation rates versus Fe concentrations for AMB-1 at 3 T.

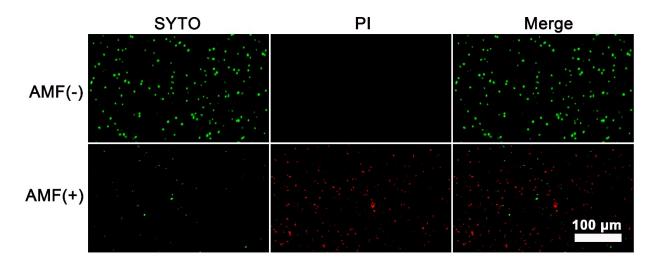


Fig. S2. SYTO and PI co-stained fluorescence images of AMB-1 with and without the treatment of AMF.

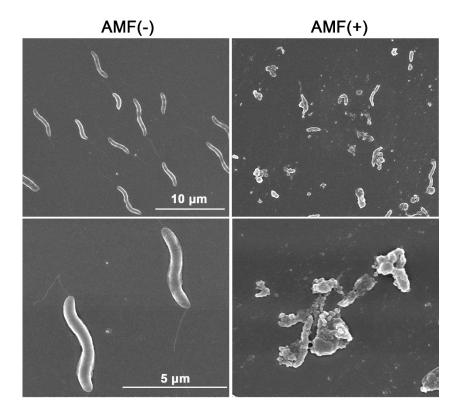


Fig. S3. SEM images of AMB-1 with and without the treatment of AMF.

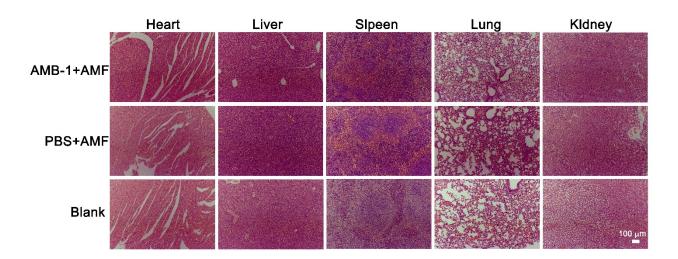


Fig. S4. H&E staining images of major organs of mice after different treatments.

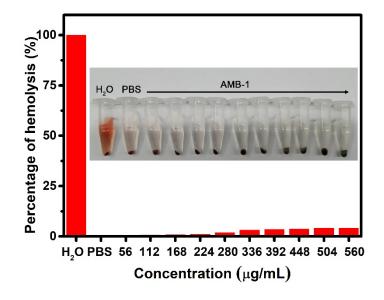


Fig. S5. Hemolysis assay of AMB-1 with different concentrations.

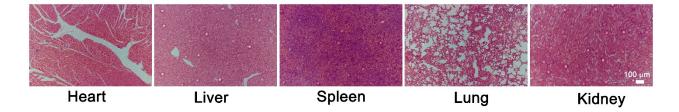


Fig. S6. H&E staining images of major organs of mice 24 h after the intravenous injection of AMB-1.