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## **Supplementary information**

## Tumor-targeting biomimetic sonosensitizer-conjugated iron oxide nanocatalysts

## for combinational chemodynamic-sonodynamic therapy of colorectal cancer

Xiaodan Chen,<sup>‡a,b</sup> Danling Cheng,<sup>‡c</sup> Mengbin Ding,<sup>c</sup> Ningyue Yu,<sup>c</sup> Jiansheng Liu,<sup>c</sup> Jingchao Li,<sup>\*c</sup> Lin

Lin\*<sup>b</sup>

<sup>a</sup> Department of Radiology, Fujian Medical University Cancer Hospital, Fujian Cancer Hospital, Fuzhou

350014, P. R. China

<sup>b</sup> Department of Radiology, Fujian Medical University Union Hospital, Fuzhou 350001, P. R. China.

Email: linlin@fjmu.edu.cn

<sup>c</sup> Shanghai Engineering Research Center of Nano-Biomaterials and Regenerative Medicine, College of Chemistry, Chemical Engineering and Biotechnology, Donghua University, Shanghai 201620, P. R. China. Email: jcli@dhu.edu.cn

*‡Xiaodan Chen and Danling Cheng contributed equally to this work.* 



**Figure S1.** (a) Photographs of red blood cells after incubation with water, PBS, BFC or MBFC nanoparticles at different concentrations (6.25, 12.5, 25, 50 and 100  $\mu$ g/mL) at room temperature for 2 h, followed by centrifugation of red blood cells. The red blood cells treated with water were used as the positive control (+), and the red blood cells treated with PBS were used as the negtive control (-). (b) Hemolysis analysis of red blood cells after treatments with water (+), PBS (-), BFC or MBFC nanoparticles at different concentrations (6.25, 12.5, 25, 50 and 100  $\mu$ g/mL) at room temperature for 2 h.



**Figure S2.** Body weights of CT26 tumor-bearing nude mice after after intravenous injection of 200  $\mu$ L PBS, PBS solution of BFC or MBFC nanoparticles at the Fe concentration of 1 mg/mL without or with US treatment (1.0 W/cm<sup>2</sup>) for 15 min.



**Figure S3.** H&E staining images of heart, liver, spleen, lung and kidney from CT26 tumor-bearing nude mice after different treatments for 16 days.