

Supporting information

**Functionalized Ultrasound-Propelled Magnetically-Guided Nanomotors: Towards Practical Biomedical Applications**

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**Video Captions.**

SI Video 1. Magnetic Vs Nonmagnetic Guidance switch.

SI Video 2. Ultrasonic Propulsion with Magnetic Guidance.

SI Video 3. Coordinated Motion of Nanomotors.

SI Video 4. Speed of Nanomotors in Different Media.

SI Video 5. Nanomotor Speed Modulation.

SI Video 6. Speed of Nanomotors with Different Fabrication Techniques.

SI Video 7. Magnetic Bead Capture.

SI Video 8. *E.coli* Capture.

SI Video 9. *S. aureus* Capture.

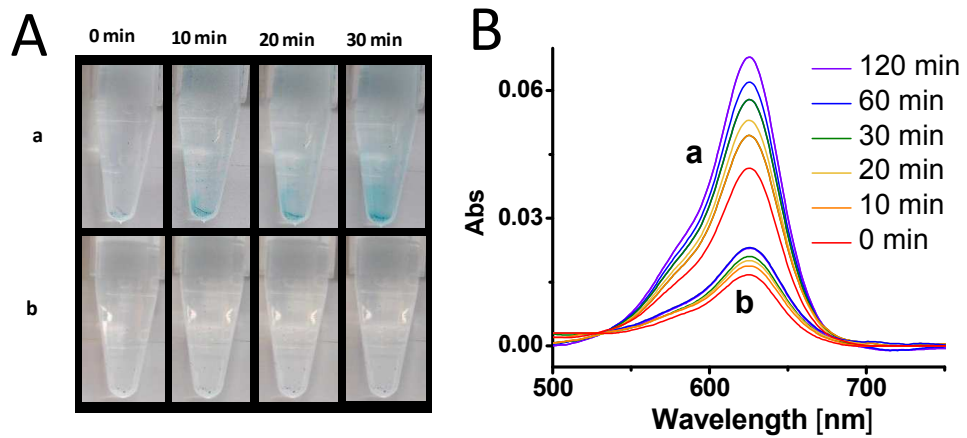


Figure S1. Time-dependent release of BG observed A) visually and B) spectroscopically using a) pH 4.0 b) pH 7.4.