

## Supplementary Information

### Long-term fluorescent tissue marking using tissue-adhesive porphyrin with polycations consisting of quaternary ammonium salt groups

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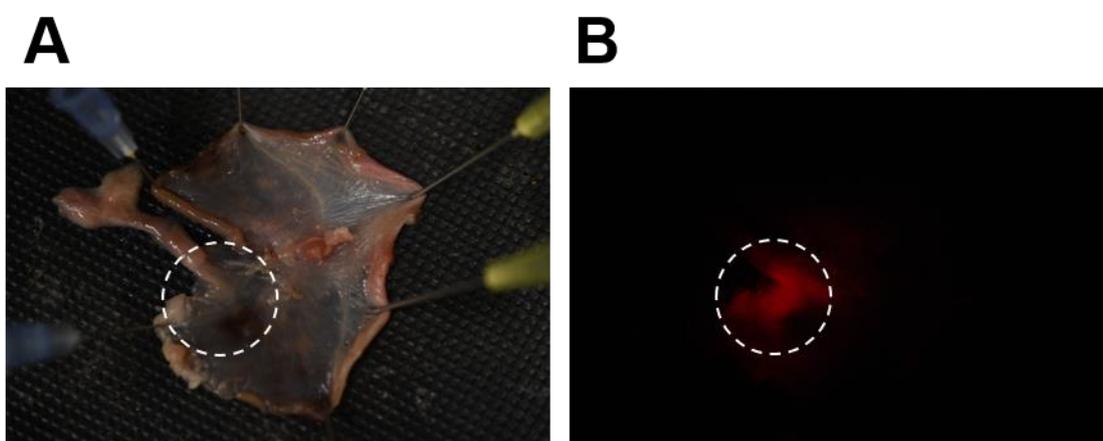
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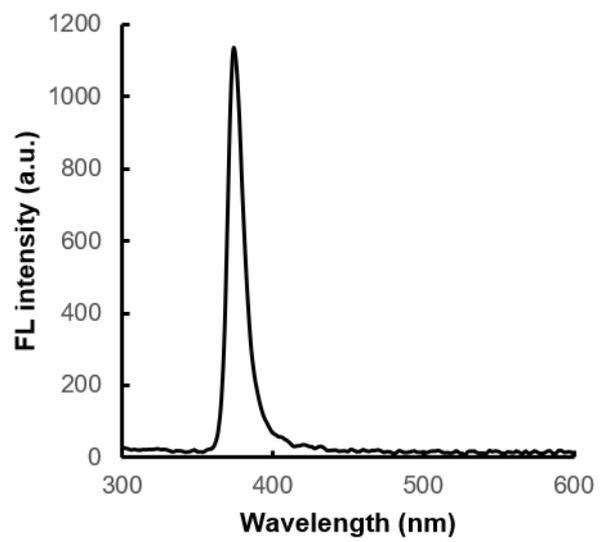
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**Figure S1. Photograph of the exposed stomach through a midline incision in the cardiac fossa. White arrow indicates the injection site of tissue-adhesive porphyrin.**



**Figure S2. Fluorescent detection of PMETAC-co-PAMPAA(HpD) on the exposed stomach at 7 days after local injection of PMETAC-co-PAMPAA(HpD) into the anterior wall of the stomach of rats. (A) Photo of the stomach opened on the side of the curvature under the white light by digital camera. (B) Photo of the stomach opened on the side of the curvature under the irradiation at 375 nm by LED light by digital camera with equipped with a red gelatin filter. White dot circles show the localization of marking. Image analysis was performed using Image J.**



**Figure S3. Emission spectrum of a LED lamp**