Supplementary Information

Field determination of phosphate in environmental water by using a hand-powered paper centrifuge for preconcentration and digital image colorimetric sensing

Zhen Pan[#], Xiaozhan Nong[#], Yajing Xie, Yan Li, Hui Zeng^{*}, Ying Liang, Min Zhang^{*}

School of Life and Environmental Sciences, Guilin University of Electronic Technology, Guilin, Guangxi, 541004

* Corresponding authors.

These individuals (Z. Pan and X. Nong) had equal contributions to this work.

Email address:

zhangmin@guet.edu.cn (M. Zhang)

guetzenghui@foxmail.com (H. Zeng)

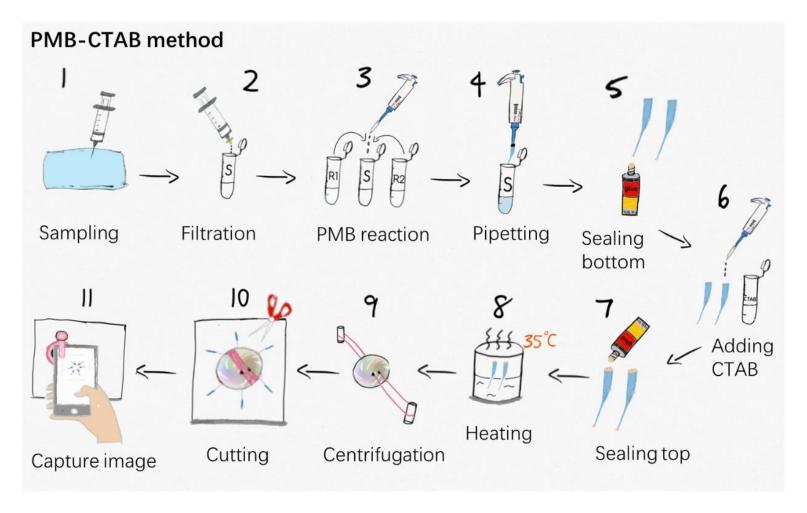


Figure S1. Schematic illustration of field preconcentration and digital image colorimetric sensing of phosphate by the PMB-CTAB method.

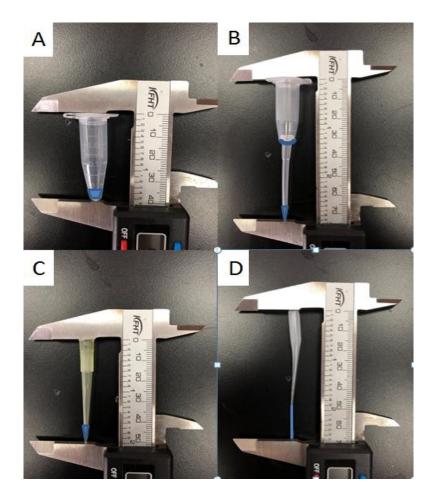


Figure S2. Centrifuge tubes used in this study. Blue blocks indicate the position of precipitate.