

Supplementary Materials For:

Alginate Hydrogel-Embedded Capillary Sensor for Quantitative Immunoassay with Naked Eye

Wenshu Zheng ^{1,2,3,†}, Cen Gao ^{1,†}, Liheng Shen ¹, Chang Qu ¹, Xuan Zhang ¹, Lu Yang ¹, Qiang Feng ^{2,4} and Rongbing Tang ^{1,*}

¹ School of Stomatology, Lanzhou University, Lanzhou 730000, China; wzheng5@tulane.edu (W.Z.); gaoc15@lzu.edu.cn (C.G.); shenlh14@lzu.edu.cn (L.S.); quchang3313@mails.jlu.edu.cn (C.Q.); xuanzhang18@lzu.edu.cn (X.Z.); yanglu19@lzu.edu.cn (L.Y.)

² National Center for Nanoscience and Nanotechnology, University of Chinese Academy of Sciences, Beijing 100190, China; qiang.feng@utsouthwestern.edu

³ School of Medicine, Tulane University, New Orleans, LA 70112, USA

⁴ Department of Pharmacology Harold C. Simmons Comprehensive Cancer Center, University of Texas Southwestern Medical Center, TX 75390, USA

* Correspondence: tangrb@lzu.edu.cn

† These authors contributed equally to this work.

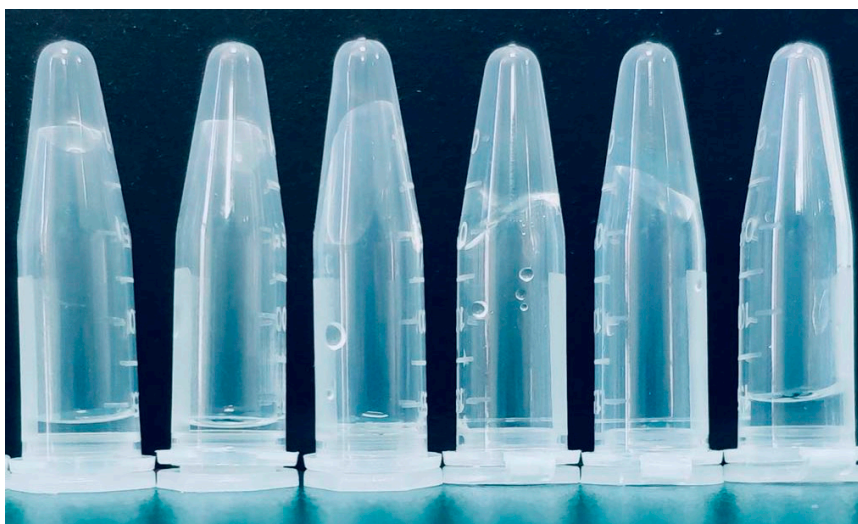


Figure S1. Photos of alginate hydrogel crosslinked with different concentration (from left to right 0.5 mM, 1 mM, 2 mM, 4 mM, 8 mM, 16 mM, 0) of CuCl_2

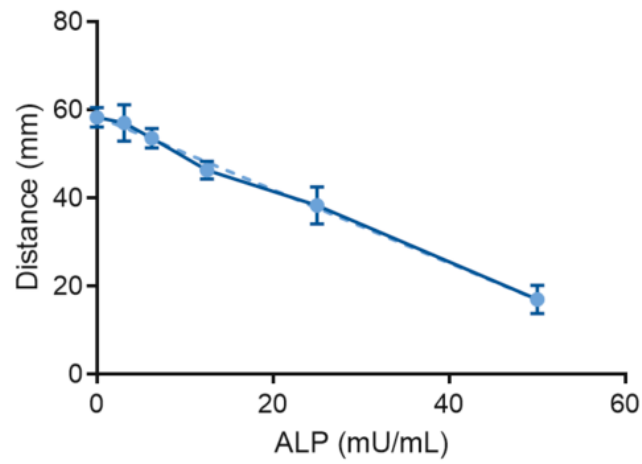


Figure S2. Linear response between the flow distance and the concentration of ALP using AHCS, mean \pm SD, n=3

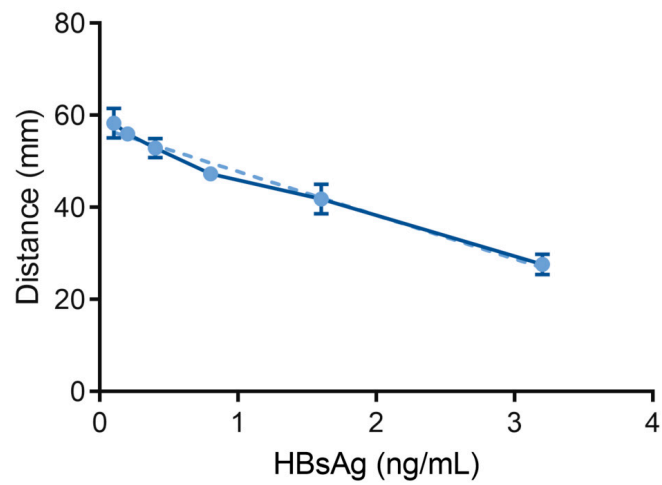


Figure S3. Linear response between the flow distance and the concentration of HBsAg using AHCS, mean \pm SD, n=3

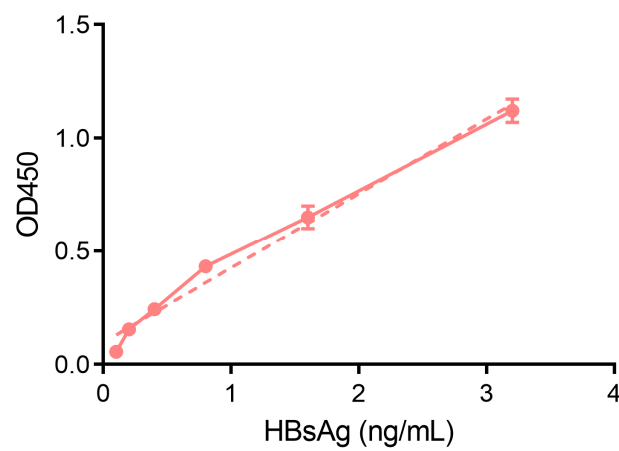


Figure S4. Linear response between the absorbance and the concentration of HBsAg using commercialized ELISA, mean \pm SD, n=3