

1 Supporting Information

2 **Cardiac troponin detection in one drop of saliva or urine for 10** 3 **minutes assessment of acute myocardial infarction**

4 Xuelian Wu^{1,a}, Zewei Lian^{2,a}, Zhiyu Tan^{2,a}, Yaqun Yu³, Tong Ren³, Hua Shen³, Jie
5 Zhang³, Shengli Jiang³, Yundai Chen^{4,*}, Meng Su^{2,*}, Nan Cheng^{3,*}

6
7 1 Department of Cardiovascular Surgery, First Medical Center of PLA General
8 Hospital, Beijing, 100853, P. R. China.

9 2 Key Laboratory of Green Printing, CAS Research/Education Center for Excellence
10 in Molecular Sciences, Beijing Engineering Research Center of Nanomaterials for
11 Green Printing Technology, Beijing National Laboratory for Molecular Sciences
12 (BNLMS), Institute of Chemistry, Chinese Academy of Sciences (ICCAS), Beijing
13 100190, P. R. China.

14 3 Department of Cardiovascular Surgery, Sixth Medical Center of PLA General
15 Hospital, Beijing, 100048, P. R. China.

16 4 Senior Department of Cardiology, Sixth Medical Center of PLA General Hospital,
17 Beijing, 100037, P. R. China.

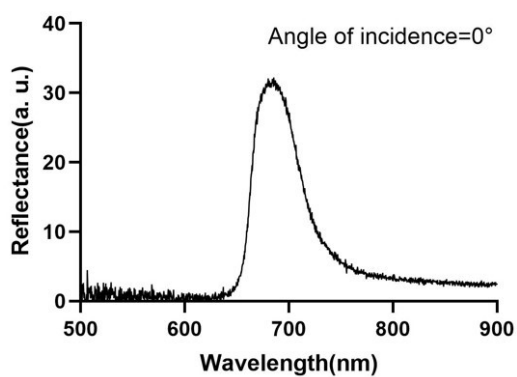
18 * Correspondence author.

19 E-mail addresses: cn86919@163.com (N. Cheng), sumeng1988@iccas.ac.cn (M. Su),
20 cyundai@vip.163.com (Y. Chen).

21 **^a These authors contributed equally to this work. Contents**

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32 **1. Reflectance spectra of PC290 at 0 angles of incidence**

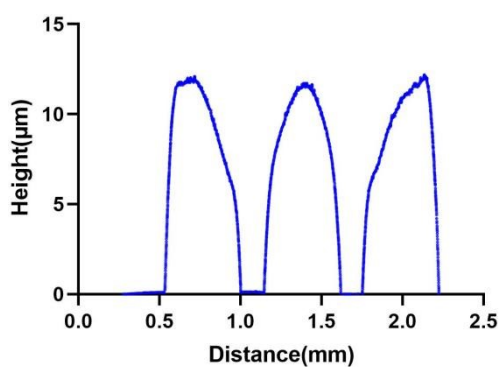


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34 *Figure S1.* Reflectance spectra of PC290 at 0 angles of incidence

35 **2. The height of the photonic crystal was measured using a step meter**

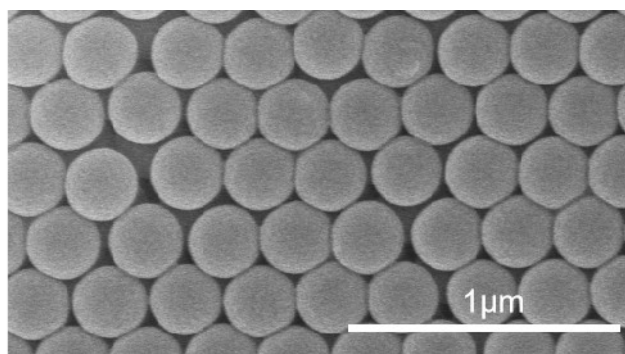
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38 *Figure S2.* The height of the photonic crystal was measured using a step meter

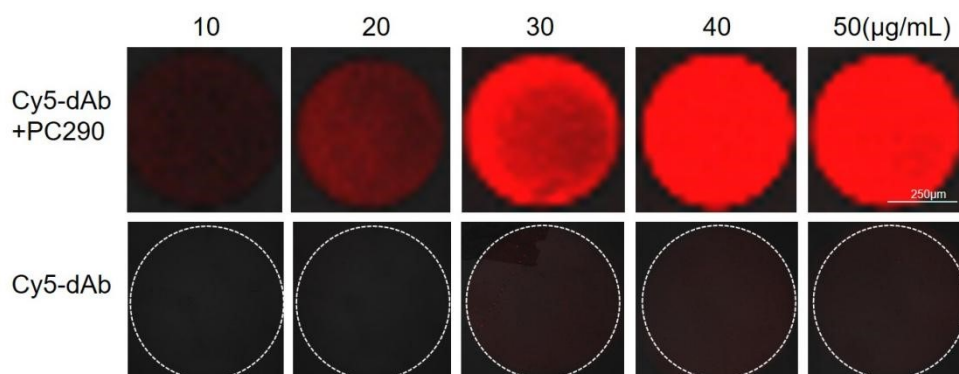
39 **3. Scanning electron microscope image of the PCB after sintering**



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41 *Figure S3.* Scanning electron microscope image of the PCB after sintering

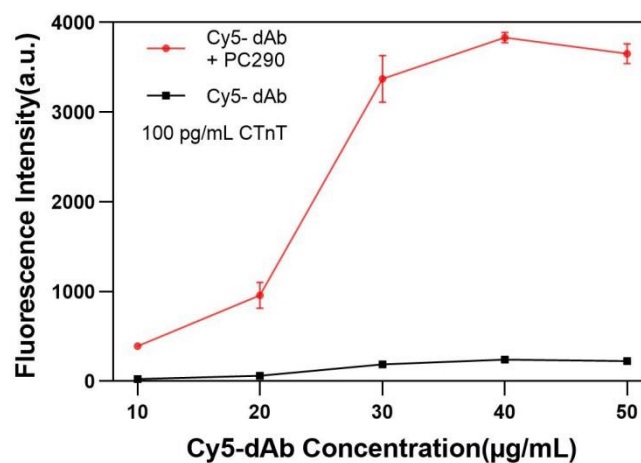
42 **4. Fluorescence images of PC290 and blank substrate were performed using Cy5-dAb**



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44 **Figure S4.** Fluorescence images of PC290 and blank substrate were performed using Cy5-dAb

45 **5. Fluorescence intensity analysis of PC290 and blank substrate was performed using Cy5-**
 46 **dAb**

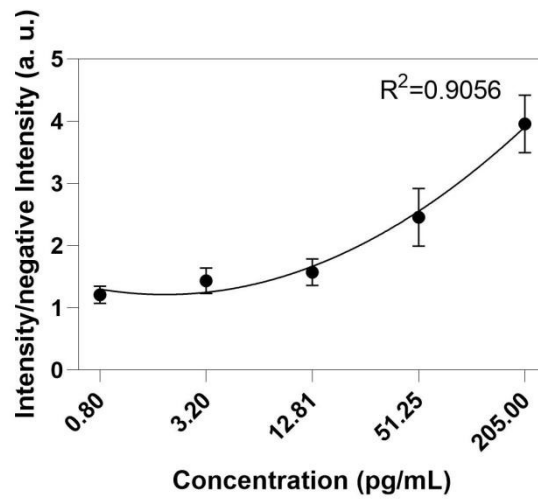


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48 **Figure S5.** Fluorescence intensity analysis of PC290 and blank substrate was performed using Cy5-dAb

49 **6. Standard curve of fluorescence intensity on biochip versus CTnT concentration in human**
 50 **urine.**

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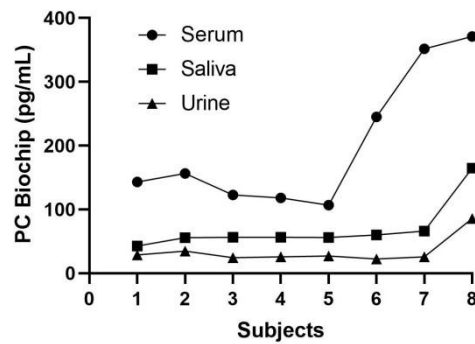
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53 **Figure S6.** Standard curve of fluorescence intensity on biochip versus CTnT concentration in human urine. Data

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are mean \pm standard deviation, n = 10 replicates.

55 7. Biochip quantification of CTnT concentrations in serum, saliva and urine



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57 **Figure S7.** Biochip quantification of CTnT concentrations in serum, saliva and urine

58 8. Quantification of CTnT using a portable test instrument carrying PC290 biochip



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Figure S8. Quantification of CTnT using a portable test instrument carrying PC290 biochip

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