Supplementary Information

Portable flow-through fluorescent immunoassay
lab-on-a-chip using ZnO nanorod-decorated glass capillaries

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Fig. S1 SEM image of ZnO nanorods grown on the inner wall of glass capillary with 100 mM zinc nitrate solution
Fig. S2 SEM image of ZnO nanorods grown on the inner wall of glass capillary with 10 mM zinc nitrate solution

Fig. S3 Fluorescent images and corresponding fluorescent intensity profiles of pristine glass capillary based biotube for PSA immunoassay in human serum; PSA concentration from $a$ to $e$: 0, 1, 10, 100, 1000 ng mL$^{-1}$. 