A rapid and sensitive CRISPR/Cas12a based Lateral flow biosensor for the detection of Epstein-Barr virus

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Supplementary data

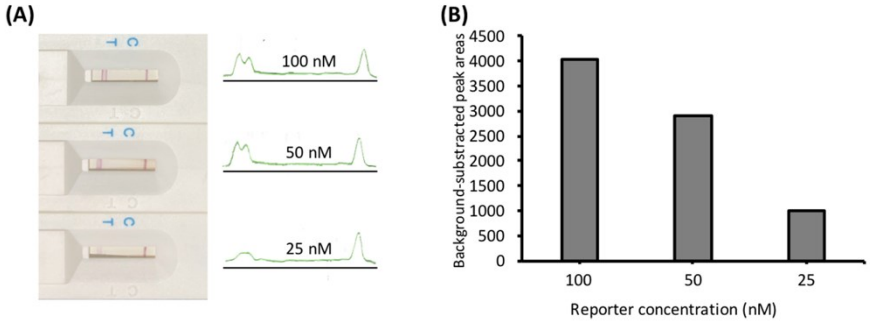

Fig. S1 Reporter concentration. (A) LFB images of different reporter concentrations diluted in ddH_2O. (B) Calculated peak area intensities corresponding to LFB test line in (A).

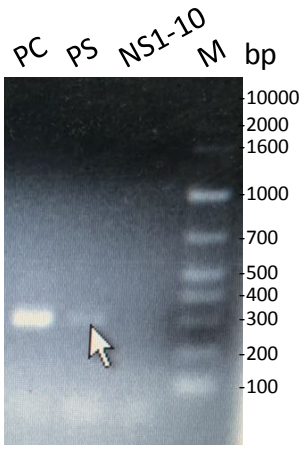

Fig. S2 Amplification of 2 µl EBV recombinant plasmid (40 ng/µl) and clinical serum samples. Lanes 1-3 to positive control (PC), EBV positive sample (PS, arrow), 10 negative samples (NS1-10), respectively and lane M is 1-kb marker, respectively.

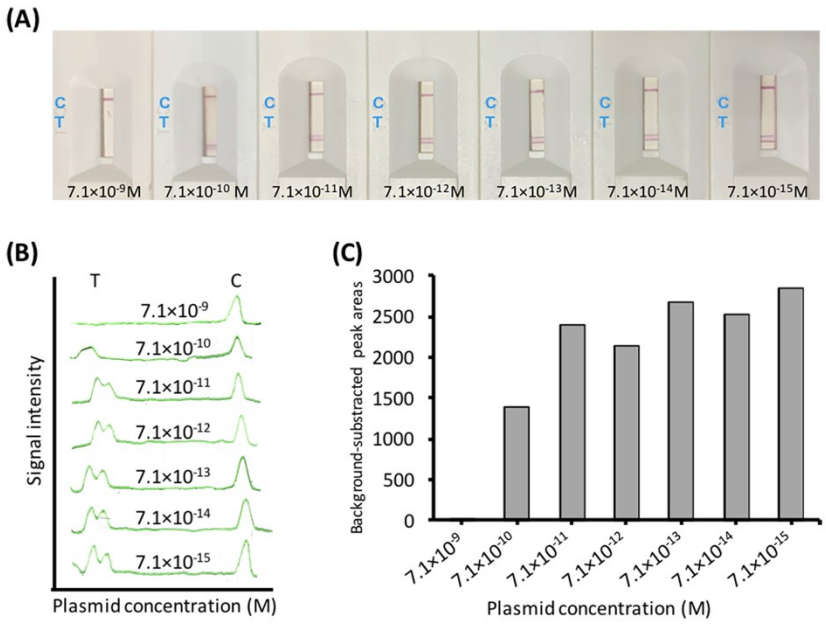

Fig. S3 Sensitivity assay for the CRISPR based LFB without PCR pre-amplification. (A) LFB images of different concentrations of recombinant plasmid subjected to CRISPR/Cas12a. (B) Peak intensities corresponding to LFB test line (T) and control line (C) in figure (A). (C) Calculated peak area intensities corresponding to LFB test line in figure (A).