

## Supporting information

# Versatile microfluidic droplets array for bioanalysis

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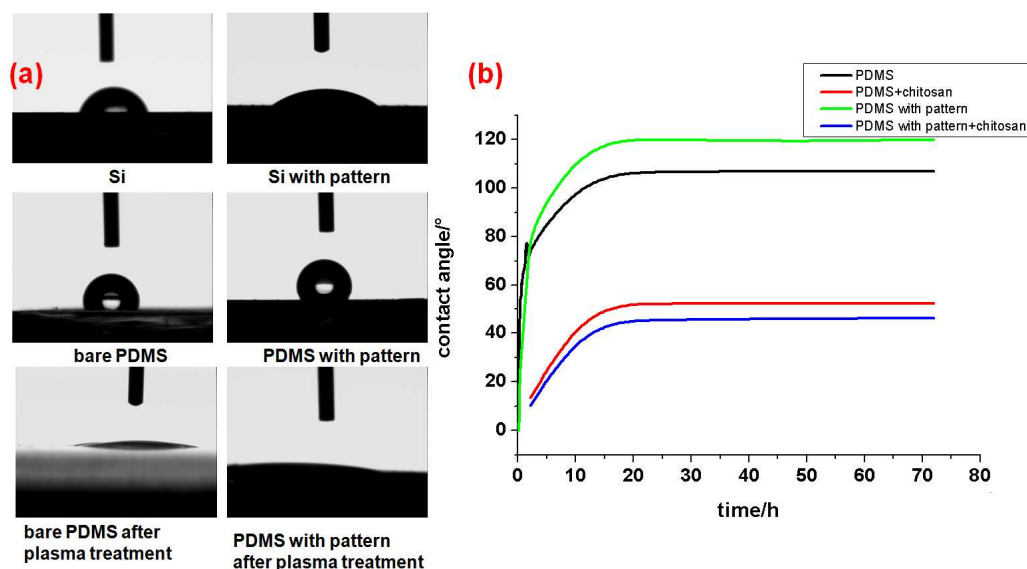


Fig. S1 (a) contact angles of different materials. (b) Contact angles recovery curve of PDMS after plasma treatment: black curve represents bare PDMS chip and red curve represents PDMS after chitosan treatment.

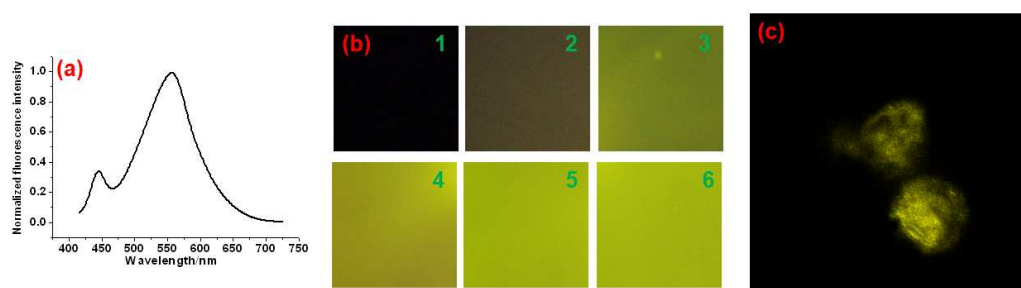


Fig.S2 (a) Fluorescence spectra of CdSe quantum dots (b) Fluorescence intensity of CdSe quantum dots at different concentrations ( from line 1 to line 6) (c) Cells with CdSe quantum dots

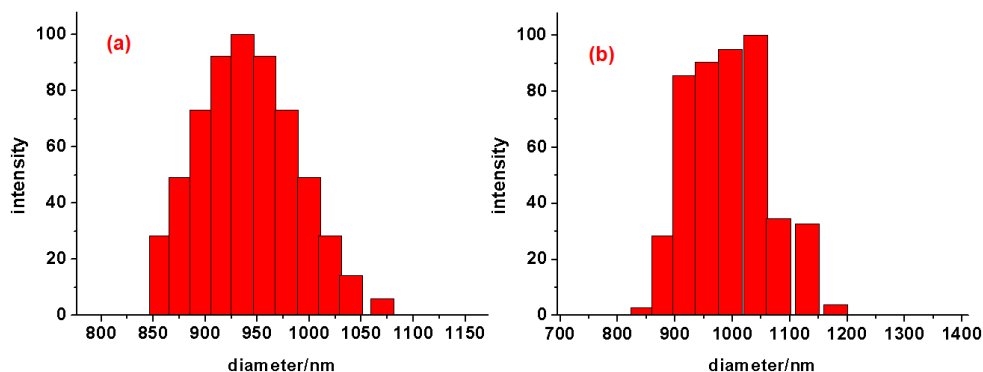


Fig. S3. Dynamic light scattering determination of diameter of (a) MBs (b) antibody conjugated MBs.