

Electronic Supplementary Information (ESI) for

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**Colloidal crystal beads coated with multicolored CdTe  
quantum dots: microcarriers for optical encoding and  
fluorescence enhancement**

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## The fluorescence images



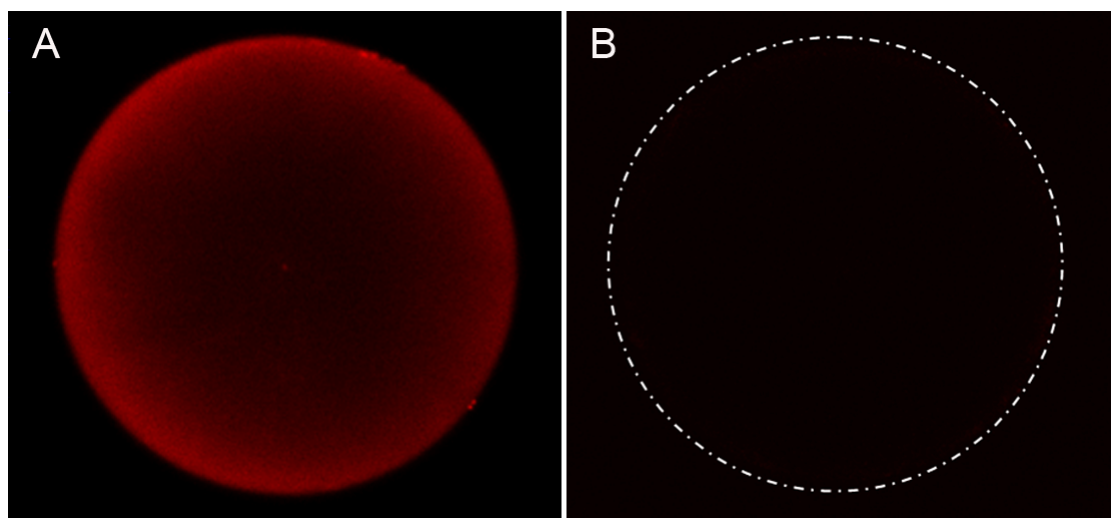
**Figure S1.** The photograph of brightly emitting CdTe QDs of different sizes taken under UV-lamp excitation.



**Figure S2.** Fluorescence micrograph of a mixture of different colors CdTe QDs deposited onto SCCBs.

## The laser scanning confocal cross-section images

The laser scanning confocal cross-section images of SCCBs and glass beads after DNA hybridization assays were showed in Figure S3. Obviously, the fluorescence signal intensity of the SCCBs showed a much higher numerical value than the glass beads.



**Figure S3.** The scanned fluorescence images of SCCBs (A) and glass beads (B) after DNA hybridization assays.