Electronic supplementary information:

**Sensitive Detection of Brilliant Blue using Fluorescence Resonance Energy Transfer with YVO$_4$:Eu Nanocrystals as Donors**

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![XRD pattern](image1)

**Fig.S1.** (a) XRD pattern of as-prepared powders and (b) the standard pattern of YVO$_4$.

![TEM image](image2)

**Fig. S2.** TEM image of as-prepared YVO$_4$:Eu NCs.