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Supplementary Information

Enhancing the color purity of the green upconversion emission from Er^{3+}/Yb^{3+}-doped $GdVO_4$ nanocrystals *via* tuning of the sensitizer concentration

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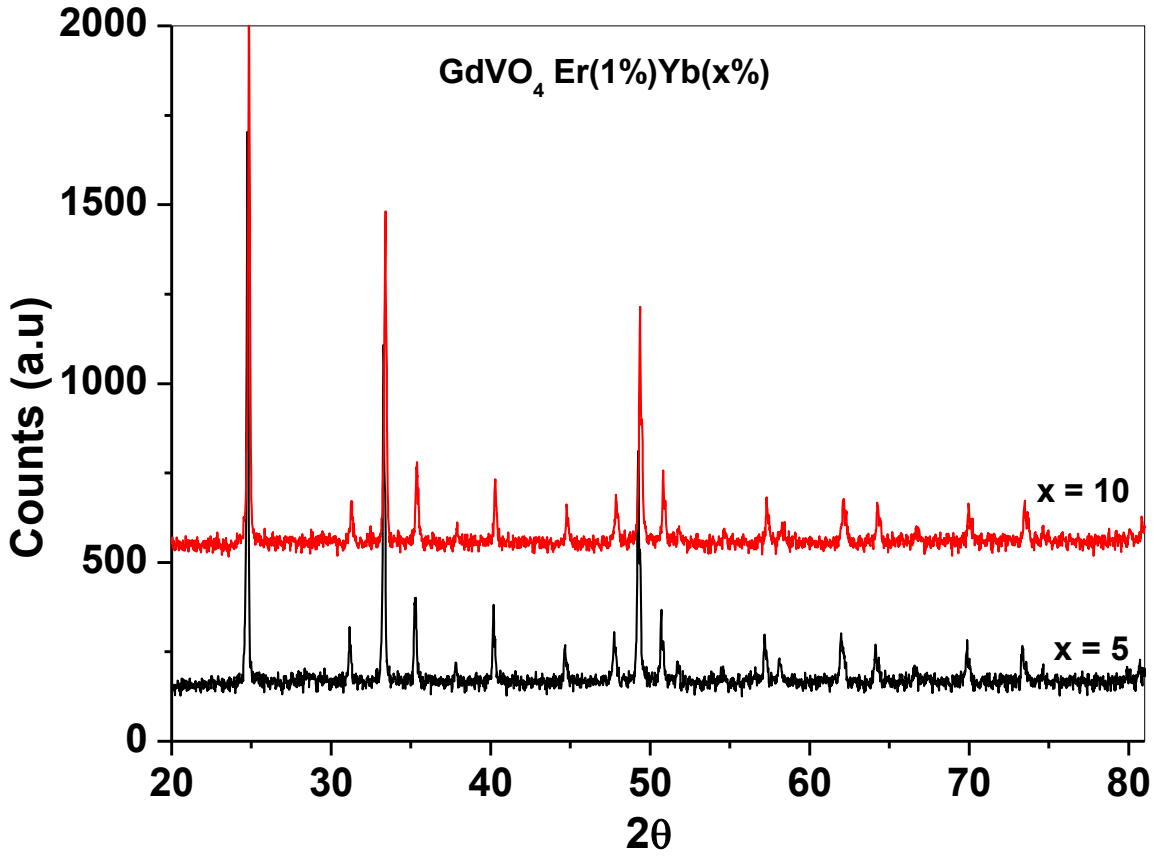

Figure S1. XRD patterns of Er^{3+}/Yb^{3+} doped $GdVO_4$ nanocrystals prepared via Pechini type sol-gel method with different Yb^{3+} concentration.

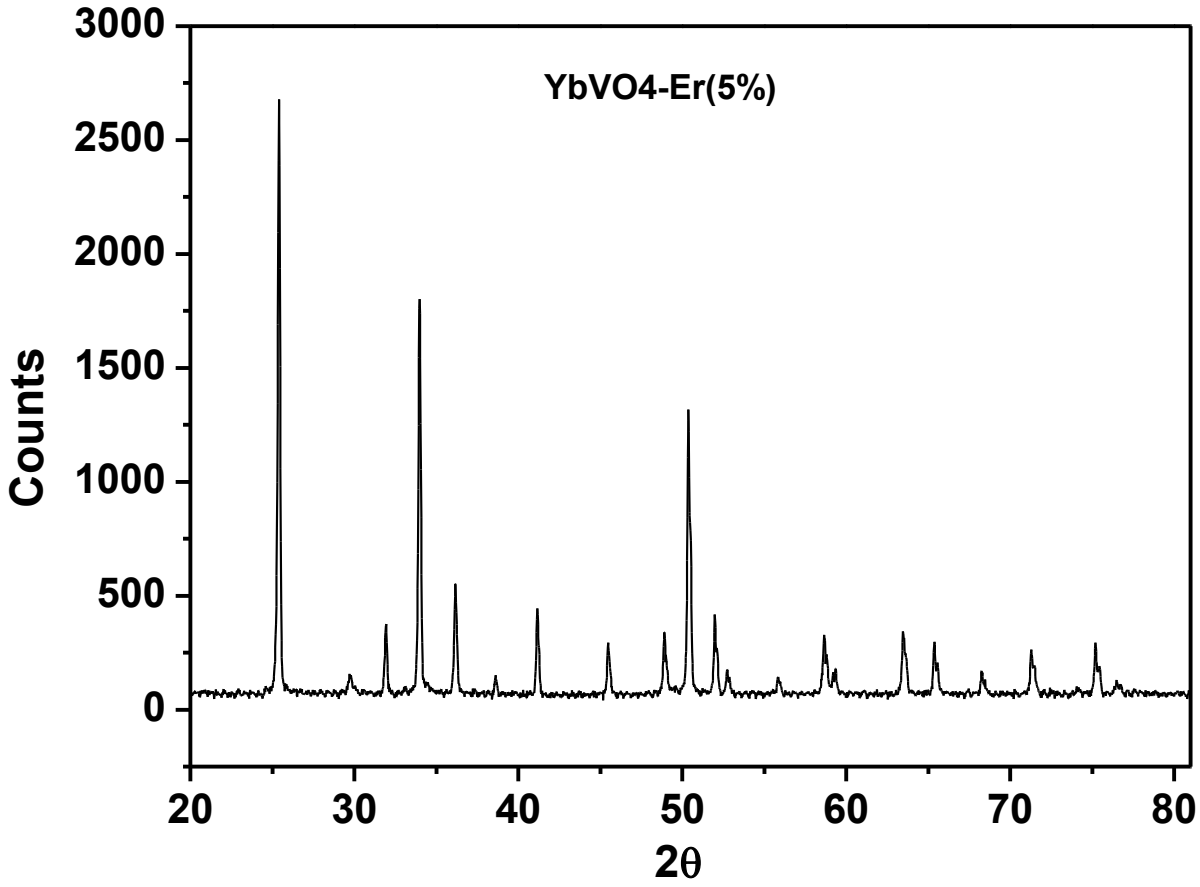

Figure S2. XRD pattern of (5%) Er^{3+}-doped $YbVO_4$ nanocrystals prepared via Pechini type sol-gel method.