Supporting information

Synthesis and luminescent properties of uniform monodisperse YBO$_3$:Eu$^{3+}$/Tb$^{3+}$ microspheres

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![XRD patterns of samples prepared with different amounts of EG](image)

Fig. S1 XRD patterns of samples prepared with different amounts of EG
Fig. S2 Sample prepared by adding 30 mL EG: (A) SEM image; (B) XRD pattern.
Fig. S3 Sample prepared by adding ethanol: (A) SEM image; (B) XRD pattern.

Fig. S4 FT-IR spectrum of the sample prepared by adding ethanol.
Fig. S5 Sample prepared by adding glycerol: (A) SEM image; (B) XRD pattern.
Fig. S6 CIE chromaticity diagram of YBO$_3$:5\% Eu$^{3+}$ (point A) and YBO$_3$:5\% Tb$^{3+}$ (point B) samples.