**Magnetic Assembly Route to Construct Reproducible and Recyclable SERS Substrate**

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**Figure S1.** The Fe3O4@SiO2@TiO2 composite microspheres synthesized without using ultrasonic.

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**Figure S2.** The Fe3O4@SiO2@TiO2 composite microspheres synthesized without using mechanical stirrer.

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**Figure S3.** A calibration curve where the logarithmic intensity measured at 1363 cm−1 peak is plotted versus the logarithmic concentration of R6G. Error bars are standard deviations calculated from 20 independent measurements.