

**Improved liquid-liquid extraction by modified magnetic nanoparticles for
detection of 8 drugs in human blood by HPLC-MS**

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Fig.S1 (A) SEM images $\text{Fe}_3\text{O}_4@\text{mTiO}_2$; (B) EDS images of point1#-3 (C)EDS images of point1#-4 (gold
sputtering element Pt was not labeled in about 2.1keV)

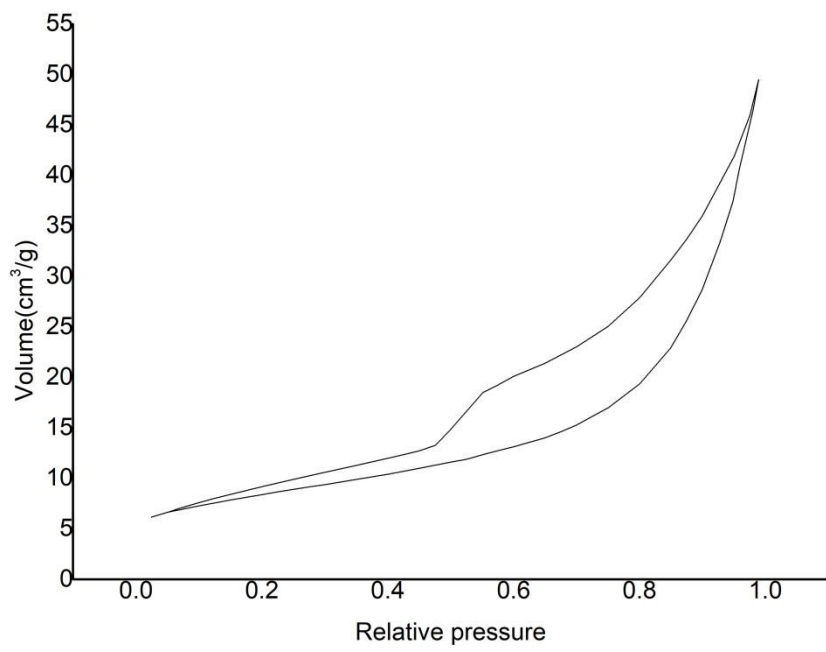


Fig.S2 Graph of N₂ adsorption-desorption isotherms by Fe₃O₄@TiO₂