

Supporting information

Triple functions nanocomposites of porous silica-CoFe₂O₄-MWCNTs as carrier for pH-sensitive anti-cancer drugs controlled delivery

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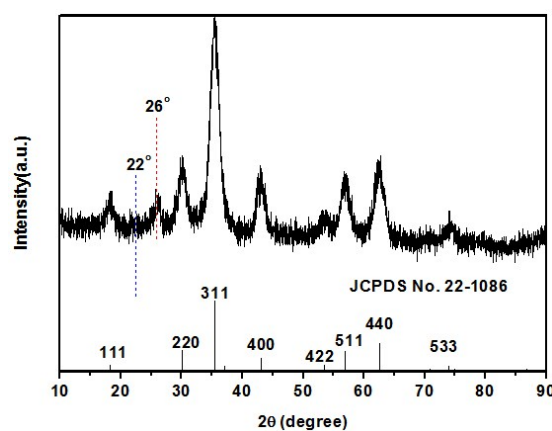


Fig. S1. XRD patterns of the MWCNTs@CoFe₂O₄@mSiO₂ NPs.

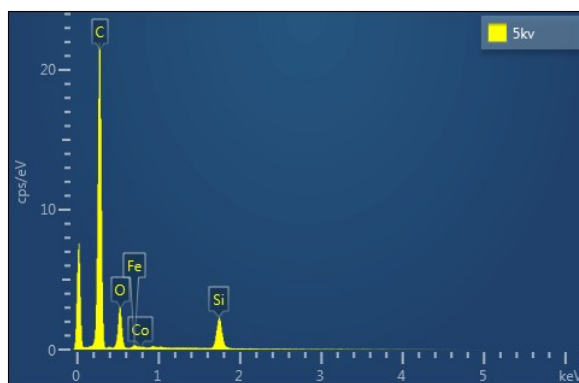


Fig. S2. Energy-dispersive X-ray spectrum of the MWCNTs@CoFe₂O₄@mSiO₂ NPs.

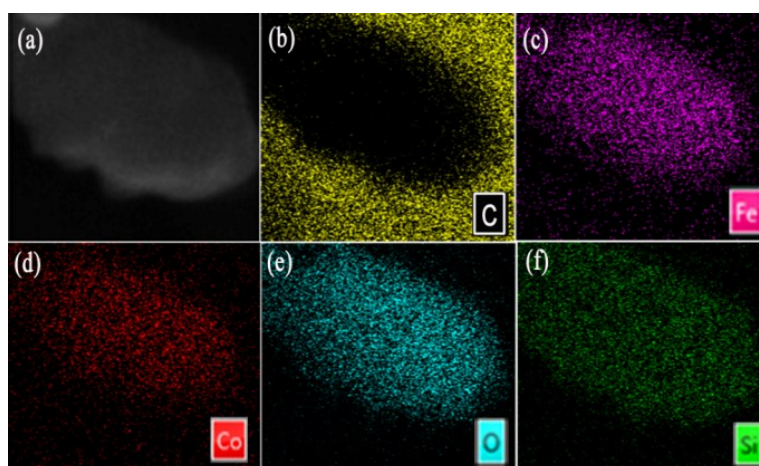


Fig. S3. EDX elemental mappings of the MWCNTs@CoFe₂O₄@mSiO₂ NPs (a-f).

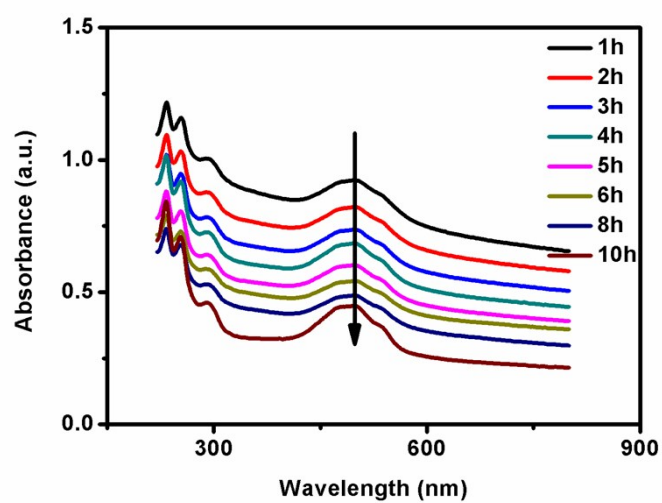


Fig. S4. The drug loading process of the MWCNTs@CoFe₂O₄@mSiO₂ NPs.

Table S1. Comparison of the efficiency for pH controlled drug release.

nanocarrier	pH	Efficiency (%)	Time (h)	ref
MWCNTs@CoFe ₂ O ₄	7.4	3.8	72	36
MWCNTs@CoFe ₂ O ₄	6.3	4.8	72	36
MWCNTs@CoFe ₂ O ₄	5.2	30	72	36
MWCNTs@CoFe ₂ O ₄ @mSiO ₂	7.4	17.8	48	this work
MWCNTs@CoFe ₂ O ₄ @mSiO ₂	6.0	27.3	48	this work
MWCNTs@CoFe ₂ O ₄ @mSiO ₂	2.0	59.6	48	this work