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Title of the paper: Engineering and optimisation of medically multi-functional mesoporous SiO_2 fibers as effective wound dressing material

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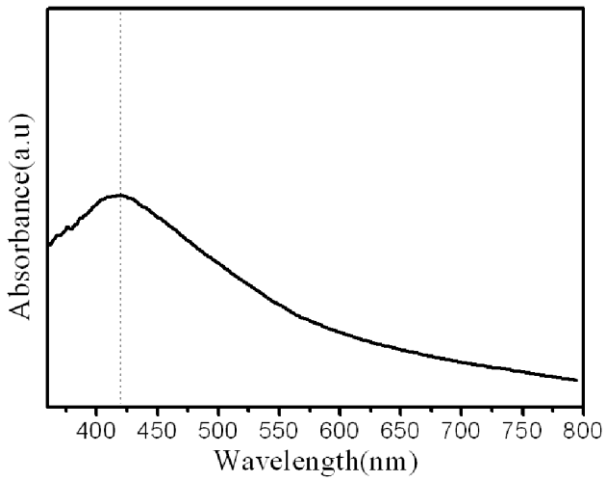

Fig. S1 UV-Vis spectrum of the AgNPs-containing SBF solution. This solution was obtained after the 0.1Ag-cSiO_2@mSiO_2 was immersed in SBF for 10 hours (corresponding to the relatively fast release stage of silver)

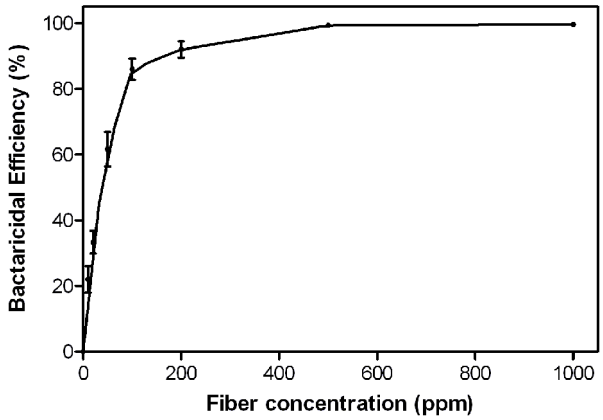

Fig. S2. Antibiotic efficiency of 0.1Ag-cSiO_2@mSiO_2 as a function of sample

concentration.

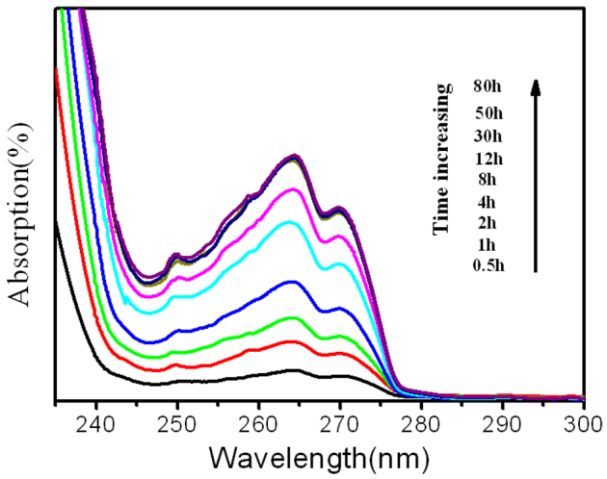

Fig. S3 UV-absorption spectrum of IBU-SBF solution as a function of release time. The IBU-release profile was plotted from the integrated intensity of the peak at 264 nm.